

LARGE SCALE DEVELOPMENT ROGERS SEVENTH DAY ADVENTIST

301 N 33RD STREET
ROGERS, ARKANSAS

Survey Description

A parcel of land situated in the Southeast Quarter (SE1/4) of the Northwest Quarter (NW) of Section 10, Township 19 North, Range 30 West of the Fifth Principle Meridian as set forth in Warranty Deed Book 697, Page 762 and Lot 20 of Sundance Trace Subdivision in Plat Book 11, Page 39 of Benton County Records, Bentonville, Arkansas. Said parcel being more particularly described as follows;

COMMENCING at the Southeast (SE) corner of the Southeast Quarter (SE1/4) of the Northwest Quarter (NW1/4) of Section 10;
Thence coincident with the Southern line of the Southeast Quarter (SE1/4) of the Northwest Quarter (NW1/4), North 86°51'56" West for a distance of 478.00 feet to a point;
Thence leaving said Southern line and coincident with the Western line of Valley West Subdivision as set forth in Plat Book "G", Page 186 of Benton County Records, Bentonville, Arkansas, North 02°42'21" East for a distance of 615.55 feet to the TRUE POINT OF BEGINNING of the hereinafter described tract;

Thence leaving said Western line, North 84°30'37" West for a distance of 571.24 feet to a point on the Eastern property line for Lot 20 of Sundance Trace Subdivision as set forth in Plat Book 11, Page 39 of Benton County Records, Bentonville, Arkansas;
Thence coincident with said Eastern line, North 01°41'43" East for a distance of 375.09 feet to point;
Thence leaving said Eastern line, South 87°11'46" East for a distance of 577.09 feet to a point on the Western property line of the Valley West Subdivision as set forth in Plat Book "G", Page 186 of Benton County Records, Bentonville, Arkansas;
Thence coincident with said Western line, South 02°41'30" West for a distance of 401.79 feet to the POINT OF BEGINNING and containing 222,833 square feet or 5.12 acres, more or less.

Subject to any and all existing easements, covenants, restrictions or rights-of-way, whether of record or prescription.

OWNER/DEVELOPER CONTACTS

ARKANSAS CONF ASSOC
OF SEVENTH DAY ADVENTIST
PO BOX 31000
SHREVEPORT, LA 71130
CONTACT: JEFF QUAM (479)631-5354

ROGERS
CITY/UTILITY CONTACTS

ROGERS PLANNING DEPT.
LORI STONE
479 621-1186
lstone@rogersark.gov

ROGERS CITY ENGINEER
LANCE JOBE, P.E.
479 621-1186 ljobe@rogersark.gov

ROGERS FIRE DEPT.
WILLIAM RUMSEY
479 986-6800
brumsey@rogersark.gov

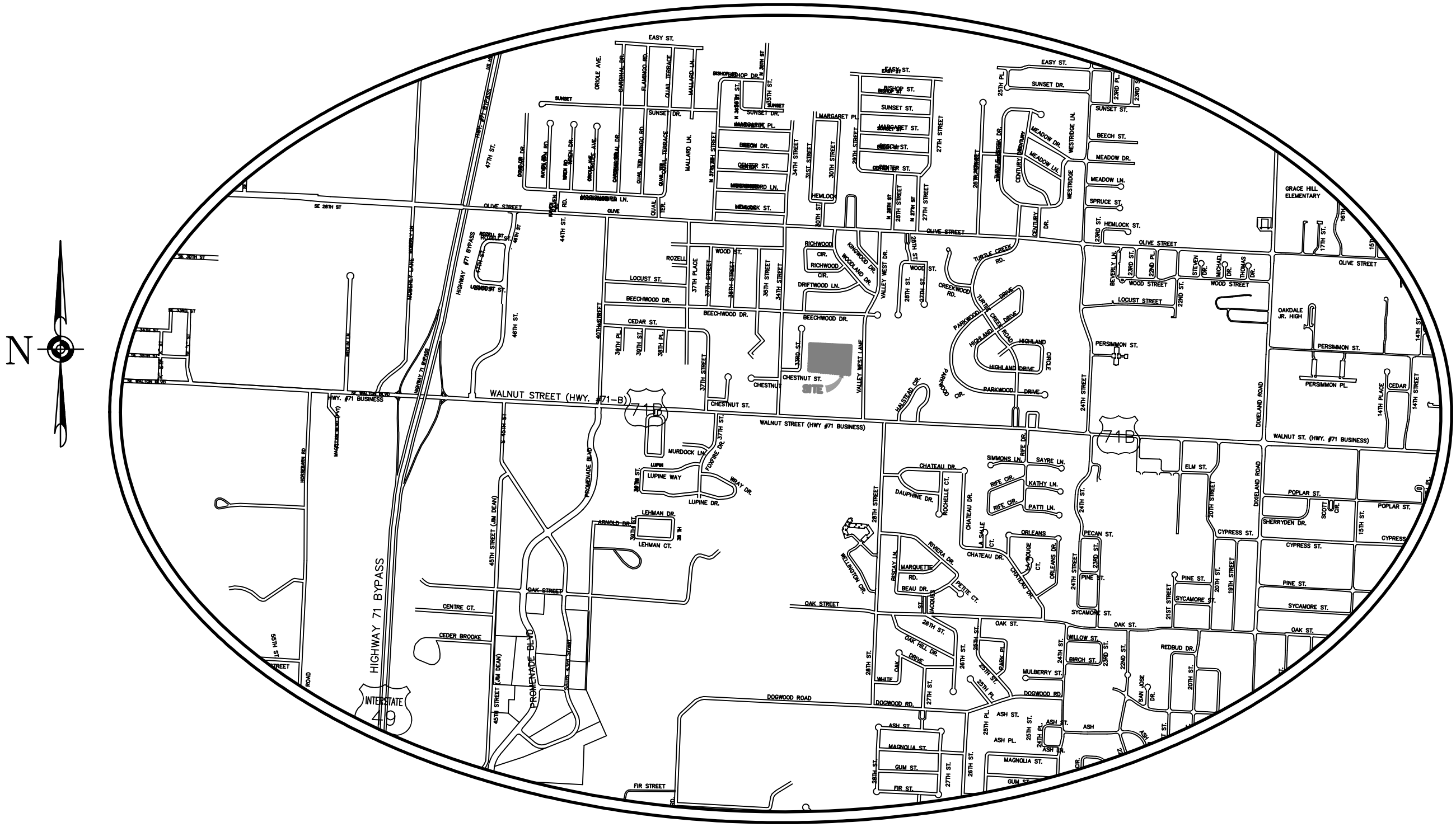
ROGERS STREET DEPT.
FRANKY GUYLL
479 621-1140
fguyll@rogersark.gov

ROGERS WATER UTILITY
STEPHEN PONDER
479 621-1156
stephenponder@rwu.org

AT&T
ANTHONY WILLIAMS
479 442-3173
aw9156@att.com

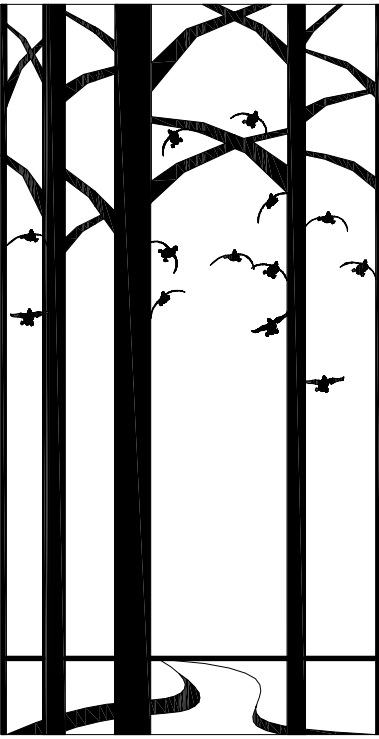
COX COMMUNICATIONS
LARRY ALEXANDER
Cell 479-871-7606
4901 S. 48th St.
Springdale, AR 72764

SOURCE GAS
KENNETH PETERS
Cell (479) 877-0430
1301 Federal Way
Lowell, 72745



VICINITY MAP
NTS

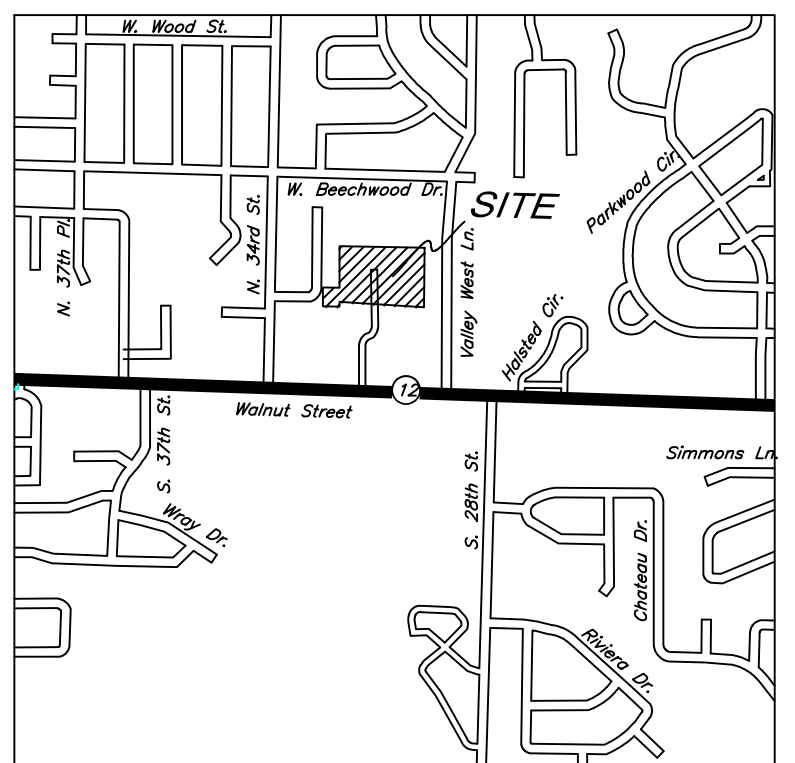
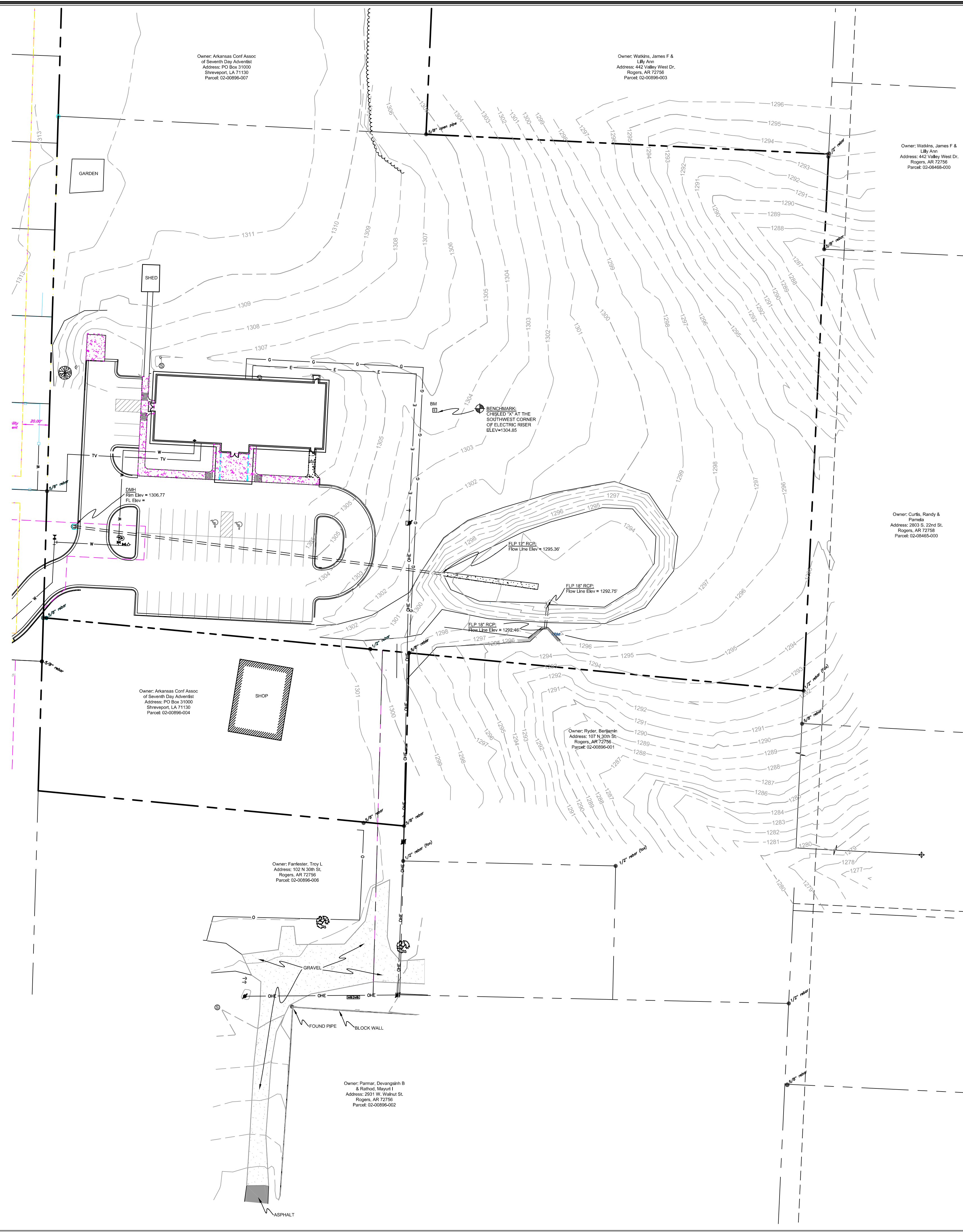
Sheet List Table	
Sheet Number	Sheet Title
1	COVER SHEET
2	SURVEY
3	SITE, UTILITY & LANDSCAPE PLAN
4	GRADING & EROSION CONTROL PLAN
5	DETAIL SHEET
6	ROGERS WATER DETAILS-1
7	ROGERS WATER DETAILS-2
8	ROGERS SEWER DETAILS



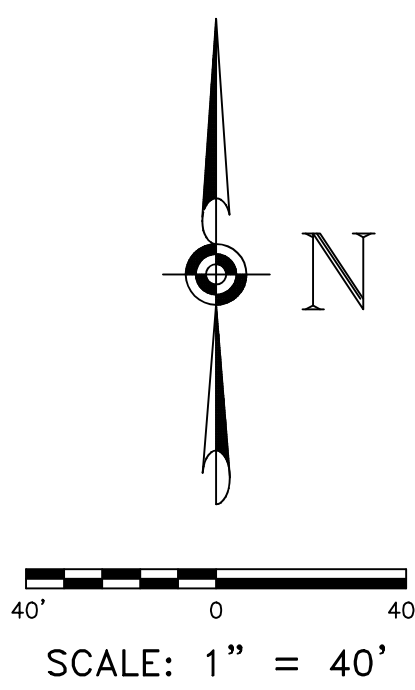
civil engineering
landscape architecture
land planning
surveying

SAND CREEK
engineering and landscape architecture, inc.
Bentonville, Arkansas (479) 464-9282





Vicinity Map
N.T.S.



LEGEND

- MONUMENT FOUND (AS NOTED)
- BENCH MARK
- UTILITY POLE
- UTILITY POLE (WITH GUY WIRE)
- TELEPHONE RISER
- ELECTRICAL RISER
- MANHOLE
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- GAS METER
- DRAINAGE MANHOLE
- SANITARY SEWER MANHOLE
- DECIDUOUS TREE
- EVERGREEN TREE
- PROPERTY LINES
- BUILDING SETBACK
- TREE LINE
- CHAIN LINK FENCE
- TELEPHONE LINE
- EXISTING WATER LINE
- GAS LINE
- UNDERGROUND ELECTRIC LINE
- OVERHEAD ELECTRIC LINE
- TELEVISION CABLE
- ASPHALT
- CONCRETE
- GRAVEL
- FLOOD ZONE
- FLOOD WAY

Survey Notes:

This is a topographical survey only.

The contractor must determine that proposed structures are clear of all boundary lines, easements, and meet building setback requirements before construction begins.

Basis of Bearings: Arkansas State Plan Grid System as taken from GPS observation. (North Zone) NAD83.

Basis of Elevation: As taken from GPS observation NAVD88

Site Bench Mark: Chiseled "X" at the southwest corner base on electric riser.

This property is zoned A-1 (residential or commercial).

Building setbacks for zone A-1 are as follows:

Front	40 Feet
Side(Interior)	20 Feet
Side(R.O.W)	40 Feet
Rear	35 Feet

No attempt was made to show building setback lines graphically on the survey. Setback dimensions are based on the orientation of the building(s) to be constructed.

Subsurface and environmental conditions were not examined nor considered a part of this survey.

The locations of underground utilities as shown hereon are based on such above ground structures as were visible at the time of survey, and/or from record drawings provided to the surveyor. The location of underground utilities/structures may vary from locations shown hereon. No excavations were made during the progress of this survey to locate underground utilities/structures.

(BY GRAPHICAL PLOTTING ONLY)
This property is not located within any presently established 100-year flood plain as determined by the National Flood Insurance Program, flood insurance rate map for Benton County, Arkansas. Map Number 0507C0260K. Revised date June 5, 2012.

RECORDING INFORMATION

REVISIONS

NO. DATE DESCRIPTION

DEVELOPER / CLIENT:

ARKANSAS CONF ASSOC
OF SEVENTH DAY ADVENTIST
PO BOX 31000
SHREVEPORT, LA 71130
CONTACT: JEFF QUAM
(479)631-5354

TOPOGRAPHICAL SURVEY

LOCATION

Civil Engineering
Landscape Architecture
Land Planning
Surveying
SAND CREEK

Engineering and Landscape Architecture, Inc.
610 NW 23rd Street, Suite 2712
Ft. Worth, TX 76102
Ph: (479) 464-9262 Fax: (479) 464-9264

PLS:

CAD: NSR

FIELD: NSR

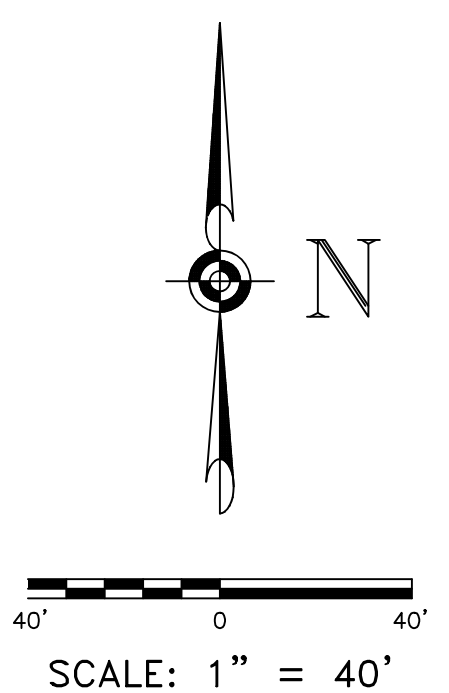
FIELD:

DWG: 15069

DATE: DECEMBER 29, 2015

SHEET: 2 OF 8

[illegible]



- SCALE: 1" = 40'
- BENCHMARK
CHISELED "X" AT THE SOUTHWEST CORNER OF ELECTRIC RISER
ELEV. = 1304.85
- GRADING LEGEND
- PROPERTY LINE
 - 6" CURB AND GUTTER
 - SIDEWALK STANDARD DUTY CONCRETE
 - HEAVY DUTY CONCRETE
 - 1233
 - PROPOSED GRADES
 - EXISTING STORM SEWER

- EROSION NOTES:
- THIS EROSION CONTROL PLAN SHALL BE USED AS A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR ALL PROJECTS THAT RESULT IN THE DISTURBANCE OF ONE (1) OR MORE ACRES OF TOTAL LAND AREA. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REQUIRED PERMITS, POSTINGS AND REPORTS PER CITY, ADEQ REGULATIONS FOR ENVIRONMENTAL PROTECTION AND EROSION CONTROL.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING AND OTHER METHODS OF CONTROL.
 - THE CONTRACTOR SHALL USE AN APPROVED MEANS OF CONTROLLING RUNOFF ALONG THE EDGE OF THE SITE, BOTTOM OF SLOPES, ALONG DITCHES, AND AROUND INLET BOXES. MUD AND DEBRIS SHALL NOT BE ALLOWED TO FLOW ONTO ADJACENT PROPERTY, INTO A BODY OF WATER, STREETS, OR DRAINAGE WAYS.
 - THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS IN AN ACCEPTED MANNER.
 - EROSION CONTROL MEASURES INDICATED ON THESE PLANS SHALL NOT RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY TO CONTROL EROSION THAT MAY OCCUR IN OTHER AREAS DURING CONSTRUCTION.
 - INLET PROTECTION OR SEDIMENT FILTERS ARE TO BE INSTALLED AT ALL EXISTING AND PROPOSED INLET LOCATIONS TO PREVENT SEDIMENTATION OF STORM DRAINAGE LINES.
 - ALL NEWLY CUT OR FILL AREAS SHALL BE SEEDED, FERTILIZED, AND MULCHED, OR SODDED, AS SOON AS FINAL GRADE IS ESTABLISHED TO EFFECTIVELY PREVENT SOIL EROSION.
 - SEEDING OF DISTURBED AREAS SHALL BEGIN IMMEDIATELY UPON COMPLETION OF GRADING IN EACH AREA. THE CONTRACTOR SHALL NOT WAIT UNTIL THE COMPLETION OF ALL AREAS PRIOR TO SEEDING. SEEDED AREAS SHOULD BE PROTECTED FROM DISTURBANCE AFTER GROWTH HAS BEGUN.
 - ALL DOWNSPOUTS SHALL HAVE SPLASH BLOCKS INSTALLED FOR POST EROSION CONTROL.

A TIRE WASH SYSTEM IS REQUIRED ON THE SITE. EITHER A DRIVE-THROUGH FACILITY WILL BE INSTALLED OR A PRESSURE WASHER SHALL BE AVAILABLE TO WASH DOWN TRUCKS AND EQUIPMENT PRIOR TO LEAVING THE SITE.

- SEEDING REQUIREMENTS
- GENERAL - ALL SEEDED AREAS SHALL BE MAINTAINED TO ESTABLISH ADEQUATE GROUND COVER TO STABILIZE SLOPES FROM EROSION.
- SEEDING - SEEDING SHALL BE ACCOMPLISHED USING PERENNIAL RYE GRASS AT A RATE OF 4 LB. PER 1000 S.F.
- APPLICATIONS - ALL AREAS THAT HAVE BEEN SEEDED SHALL ALSO RECEIVE A COMPLETE COVERING OF STRAW MULCH. THE CONTRACTOR SHALL PROVIDE TEMPORARY WATER AS NEEDED TO OBTAIN A HEALTHY STAND OF GROUND COVER.

- EROSION CONTROL SEQUENCING
- STAGE I - PLACE 12" THICK BY 100' LONG ASTM #1 STONE MAT FOR CONSTRUCTION TRACKING PAD. CONTRACTOR IS REQUIRED TO WASH DOWN TRUCKS ON TRACKING PAD BEFORE LEAVING SITE. SO TRUCK WASH ABILITY IS NECESSARY. INSTALL SILT FENCE. DO NOT BEGIN STAGE II UNTIL STAGE I MEASURES ARE IN PLACE.
- STAGE II - STRIP AND STOCKPILE TOPSOIL. DO NOT BEGIN STAGE III UNTIL STAGE II SEEDING IS COMPLETED.
- STAGE III - BEGIN GRADING OPERATIONS. SEQUENCE GRADING OPERATIONS TO MINIMIZE EXPOSED AREAS.
- STAGE IV - AS SOON AS DIRT WORK IS COMPLETED, SPREAD TOPSOIL ON COMPLETED AREAS WHERE GRASS IS PROPOSED AND SEED, FERTILIZE, MULCH, AND WATER TO QUICKLY ESTABLISH GRASS COVER.

- EROSION CONTROL LEGEND
- INLET PROTECTION
 - SAND BAGS, OR MULCH WATTLE
 - SILT FENCE (OR EQUAL)
 - STONE TRACKING PAD
 - FLOW DIRECTION ARROW

- GRADING NOTES:
- COORDINATE WITH ALL UTILITIES PRIOR TO GRADING.
 - ALL DISTURBED AREAS SHALL RECEIVE TOPSOIL, SEED, AND MULCH OR SOD. WATER UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
 - THE CONSTRUCTION AREA SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL AND ORGANIC MATTER FROM ALL AREAS TO BE OCCUPIED BY BUILDINGS AND PAVING. TOPSOIL FOR REPLACEMENT ON SLOPES MAY BE STOCKPILED ON SITE. EXCESS TOPSOIL MAY BE WASTED IN FILL SLOPES PROVIDED THAT NO TOPSOIL WILL BE WASTED WITHIN TEN FEET OF THE EDGE OF THE BUILDING OR PAVED AREA. BURNING OF TIMBER AND DEBRIS WILL NOT BE PERMITTED UNLESS APPROVAL IS OBTAINED FROM GOVERNING OFFICIALS.
 - AREAS TO RECEIVE FILL SHALL BE SCARIFIED AND THE TOP EIGHT-INCH DEPTH COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY. ANY UNSUITABLE AREAS SHALL BE UNDERCUT AND REPLACED WITH SUITABLE MATERIAL BEFORE ANY FILL MATERIAL CAN BE APPLIED.
 - OFF-SITE FILL MATERIAL SHALL HAVE A PLASTICITY INDEX BETWEEN 15 AND 45, A LIQUID LIMIT BETWEEN 40 AND 70, AND CONTAIN NO ROCK LARGER THAN FOUR INCHES. OTHER REQUIREMENTS AS SPECIFIED IN GEOTECHNICAL REPORT SHALL BE FOLLOWED.
 - AREAS TO BE CUT TO SUBGRADE LEVELS SHALL BE PROOF ROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK OR SIMILAR APPROVED CONSTRUCTION EQUIPMENT TO DETECT UNSUITABLE SOIL CONDITIONS. AFTER CUTTING TO GRADE, CUT AREAS ARE TO BE RE-SCARIFIED AND RE-COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY AND TESTED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF BASE MATERIAL.
 - IN ALL AREAS OF EXCAVATION, IF UNSUITABLE SOIL CONDITIONS ARE ENCOUNTERED, A QUALIFIED GEOTECHNICAL ENGINEER SHALL RECOMMEND TO THE CONTRACTOR THE METHODS OF UNDERCUTTING AND REPLACEMENT OF PROPERLY COMPACTED, APPROVED FILL MATERIAL. ALL PROOF ROLLING AND UNDERCUTTING SHALL BE PERFORMED DURING A PERIOD OF DRY WEATHER.
 - ALL SLOPES ARE TO BE THREE-FOOT HORIZONTAL TO ONE FOOT VERTICAL OR FLATTER UNLESS OTHERWISE INDICATED.
 - THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE ON ALL SURFACE AREAS ON AND ADJACENT TO THE PROJECT SITE. IF PONDING POTENTIAL EXISTS THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO INVESTIGATE SOLUTIONS.
 - ALL STORM SEWER CONNECTIONS TO EXISTING PIPES AND BOXES SHALL BE FINISH GROUTED TO PROVIDE A WATER TIGHT SEAL.
 - PRE-EXISTING DRAINAGE PROBLEMS BEYOND THE LIMITS OF RIGHT-OF-WAY MAY NOT BE RESOLVED BY PROPOSED IMPROVEMENTS. HOWEVER, THE CONTRACTOR SHALL NOT WORSEN ANY EXISTING CONDITION AS PART OF THIS PROJECT.

CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON THE RECORDS OF VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AND ARKANSAS ONE-CALL AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE RELOCATION OF ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN BY THESE PLANS. THE DIRECT COST OF UTILITY LOCATES NOT INDICATED ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE OWNER.

Owner: Parmar, Devangsh B
& Ratnod, Mayuri I
Address: 2011 W. Walnut St.
Rogers, AR 72756
Parcel: 02-00866-002

REVISIONS

NO.	DATE	DESCRIPTION
-----	------	-------------

DEVELOPER:

ARKANSAS CONF ASSOC
OF SEVENTH DAY ADVENTIST
PO BOX 31000
SHREVEPORT, LA 71130
CONTACT: JEFF QUAM
(479)631-5354

SHEET:

GRADING & EROSION CONTROL PLAN

PROJECT:

ROGERS SEVENTH DAY ADVENTIST
301 N 33RD STREET
ROGERS, ARKANSAS

NOT FOR CONSTRUCTION

PRELIMINARY

NOT FOR CONSTRUCTION

Civil Engineering
Landscape Architecture
Land Planning
Surveying

SAND CREEK

Engineering and Landscape Architecture, Inc.
610 NW 12th Street
Ft. Worth, TX 76102
(817)479-4649 FAX (817)479-4649

MANAGER: JAYNE SABLONTE

DESIGNED BY: TRS

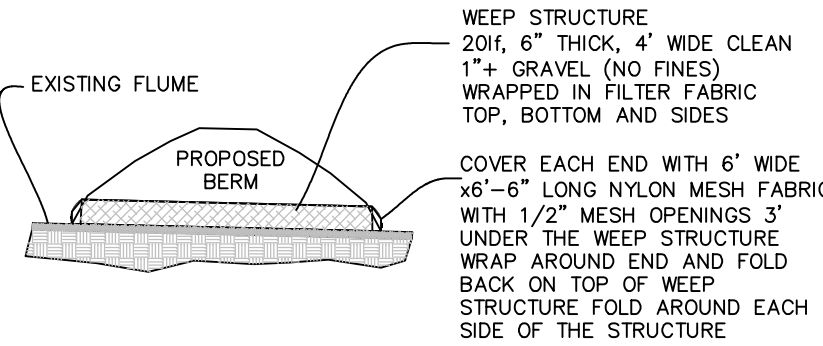
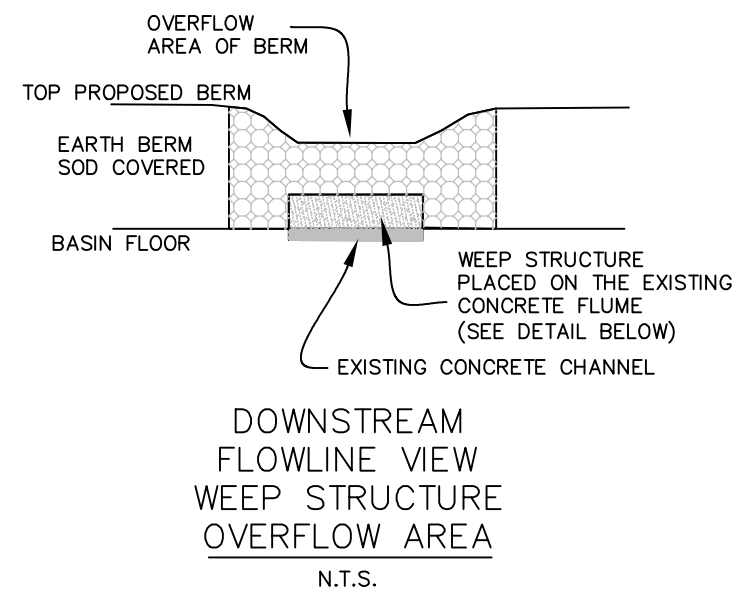
DRAWN BY: KJS

CHECKED BY: TRS

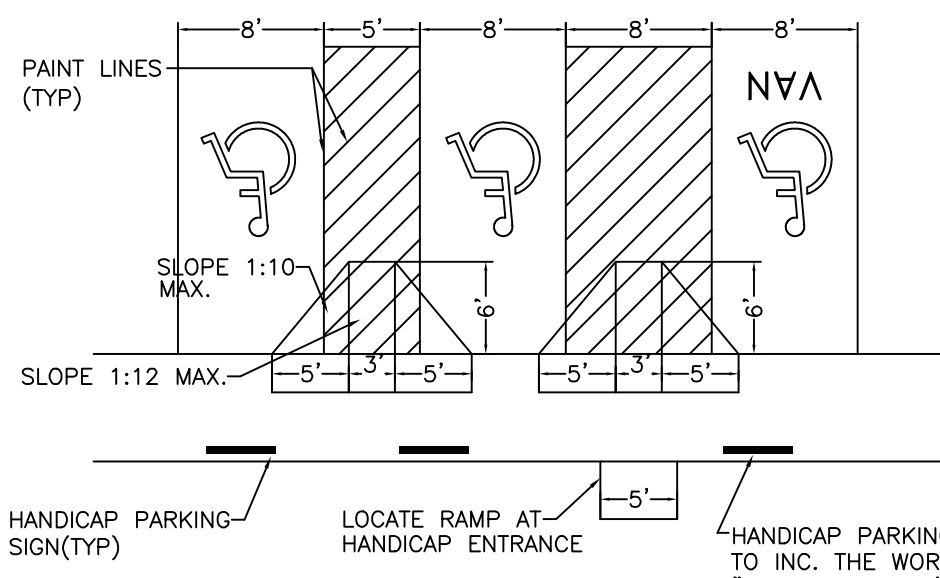
SCE PROJECT #: 15069

DATE: MARCH 4, 2016

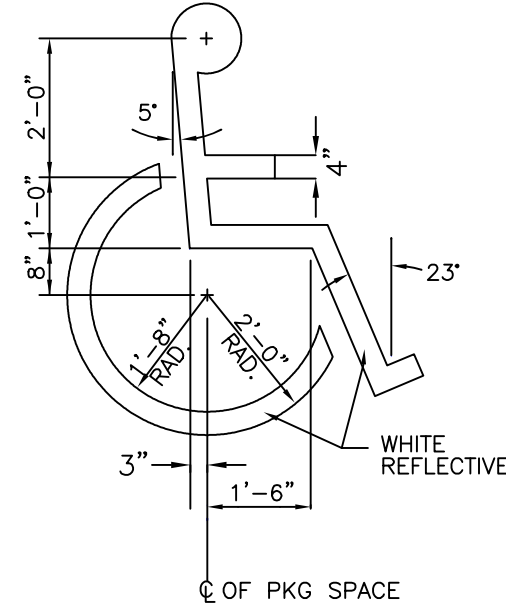
SHEET: 4 of 8



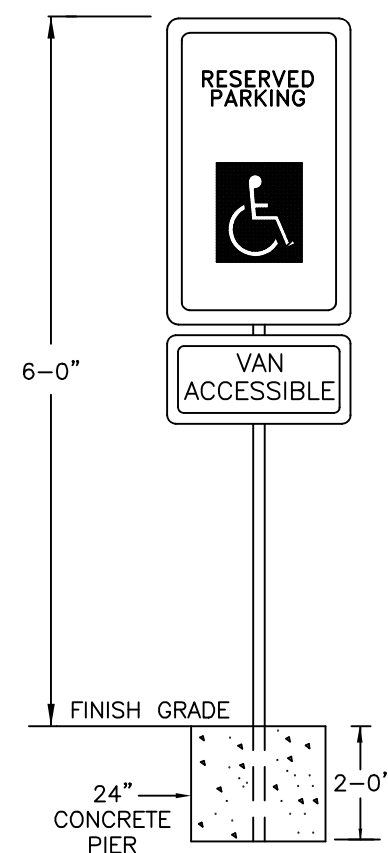
PROFILE WEEP STRUCTURE
N.T.S.



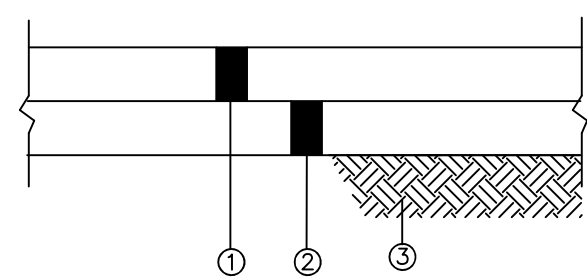
ADA PARKING AND RAMP
N.T.S.



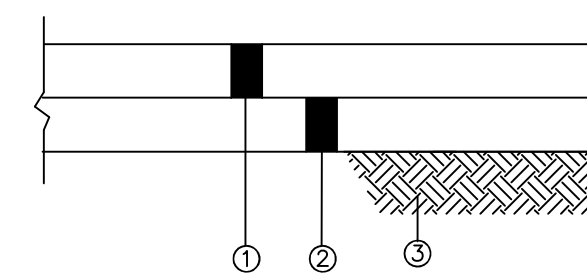
HANDICAP SYMBOL
NO SCALE



HANDICAPPED PARKING SIGN
NO SCALE

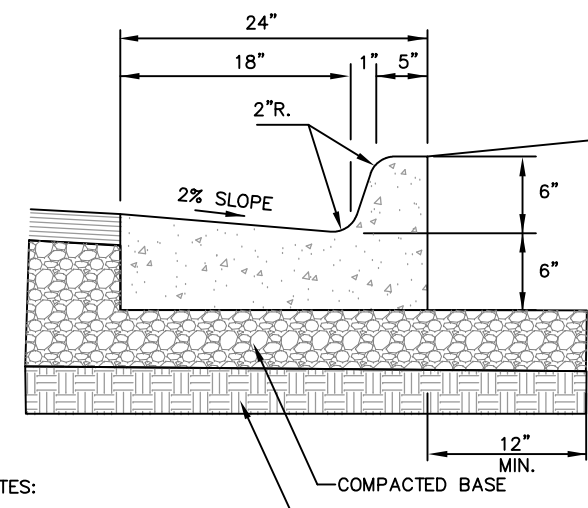


- ① 5\"/>



- ITEM ASPHALT DRIVE SECTION
407-1 ① REQUIRED 2\", ASPHALT SURFACE COURSE
303 ② REQUIRED PRIME COAT 0.25 GAL./S.Y.
③ REQUIRED 8\"/>

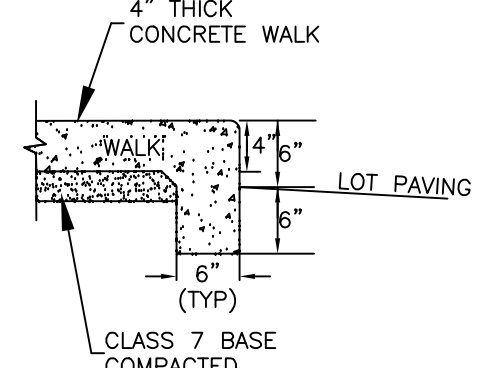
NOTE: FOR ASPHALT DRIVE IN EXISTING GRAVEL AREAS, THE CONTRACTOR SHALL LEVEL UP CURRENT GRAVEL, RE-COMPACT AND ADD 2\"/>



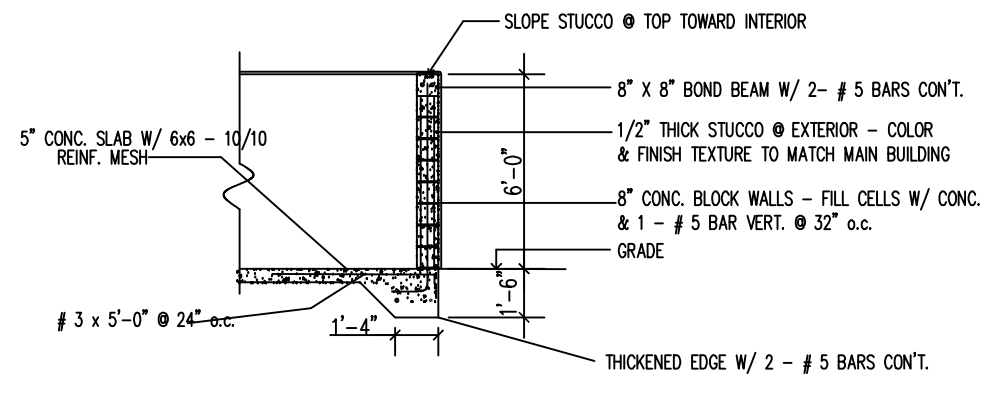
GENERAL NOTES:

1. CONCRETE SHALL BE MIN. 3500 P.S.I.
2. CURB SHALL BE SAWCUT EVERY 15'.
3. EXPANSION JOINTS SHALL OCCUR EVERY 200'. EXPANSION MATERIAL SHALL BE 3/4\"/>

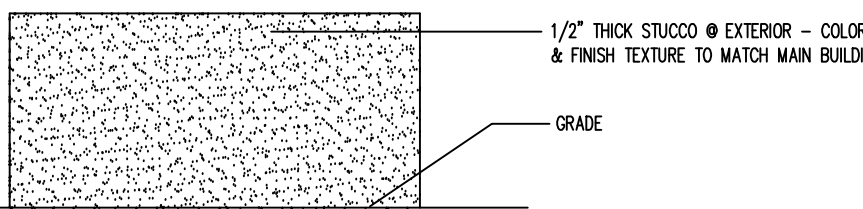
STANDARD CURB
N.T.S.



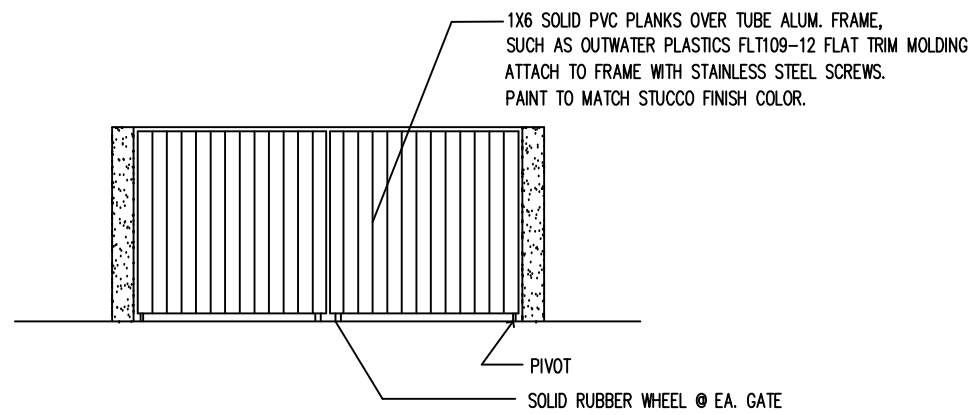
TURN-DOWN WALK
N.T.S.



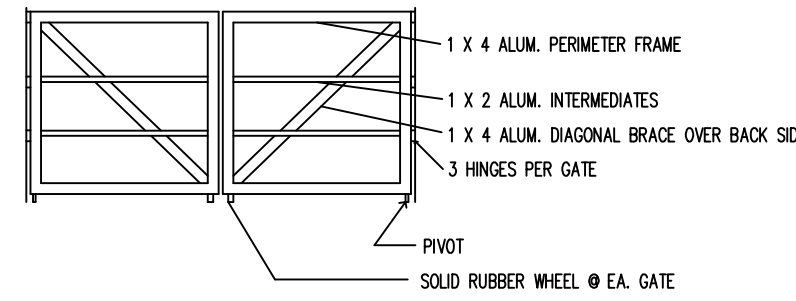
WALL SECTION



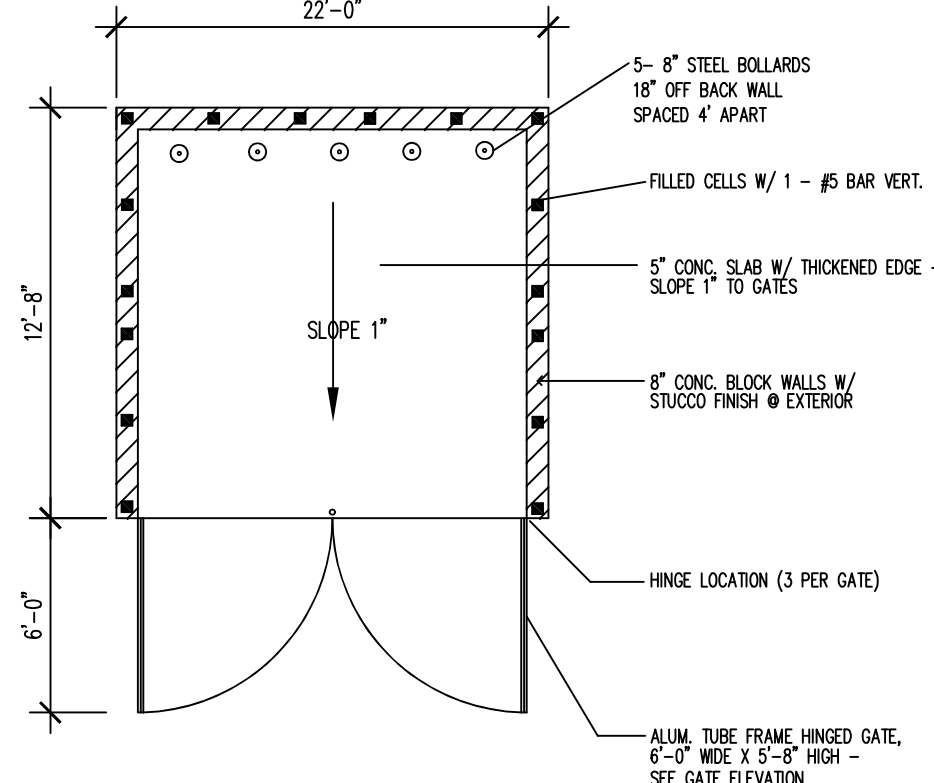
TYPICAL WALL ELEVATION



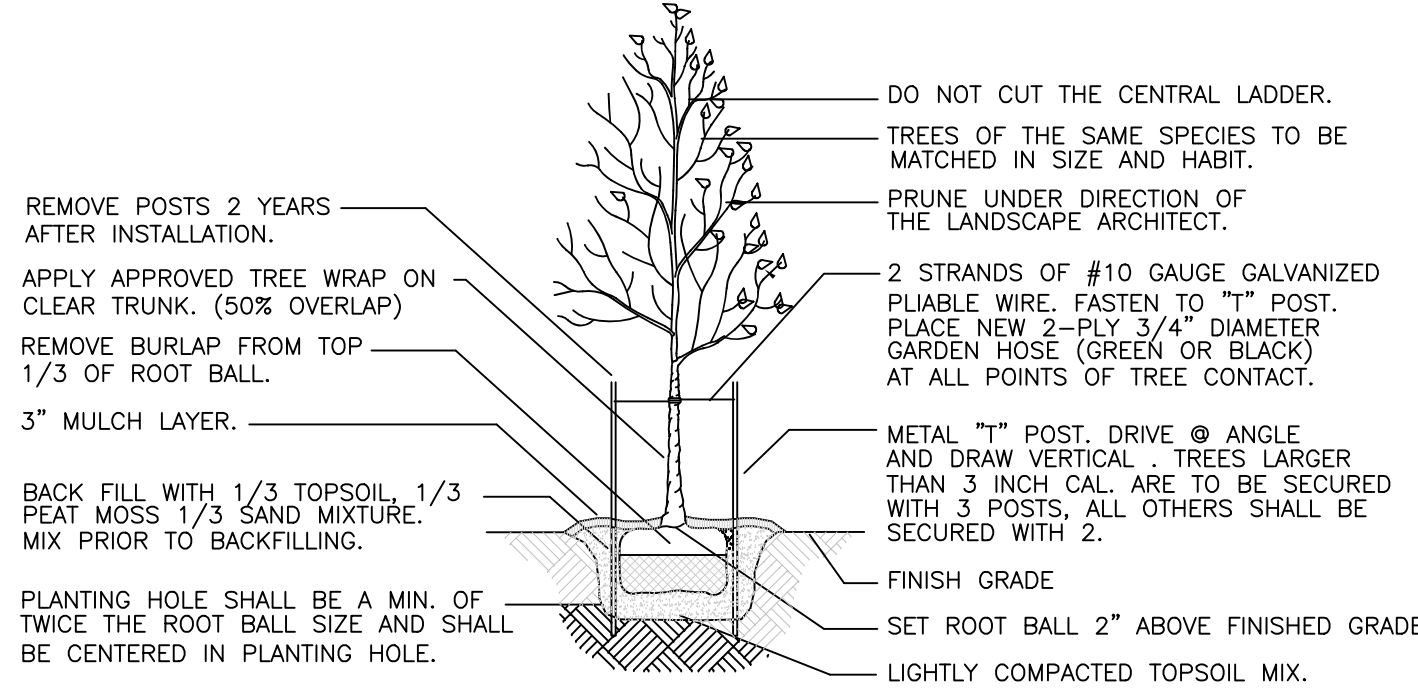
GATE ELEVATION



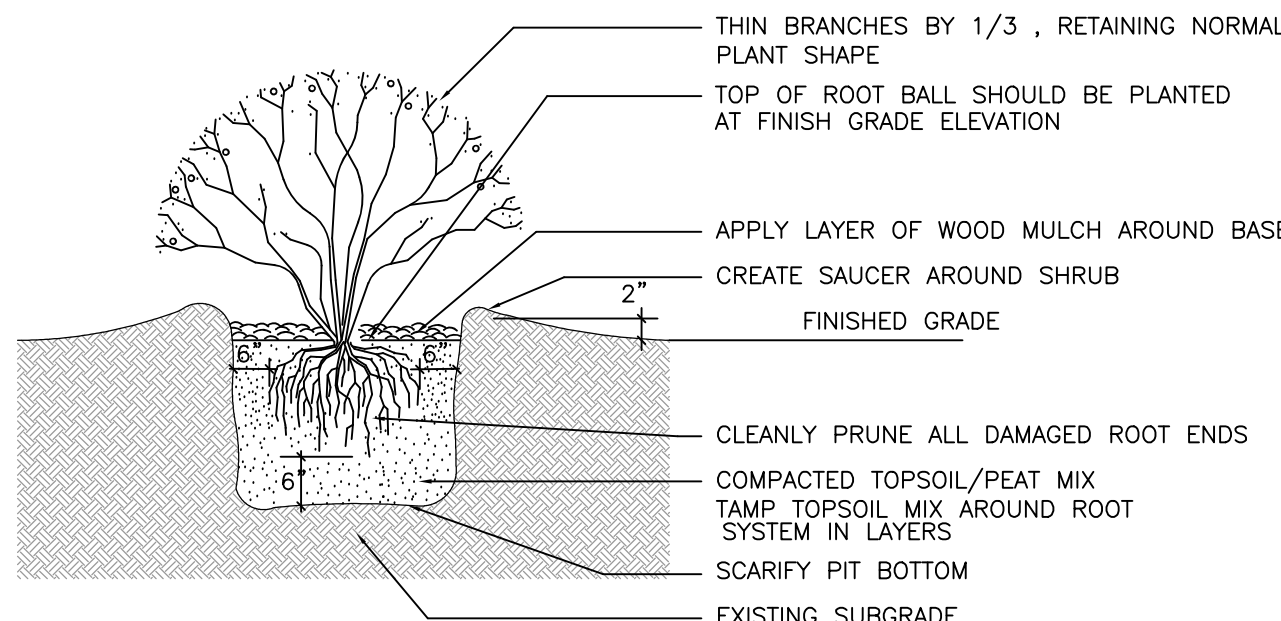
GATE FRAME



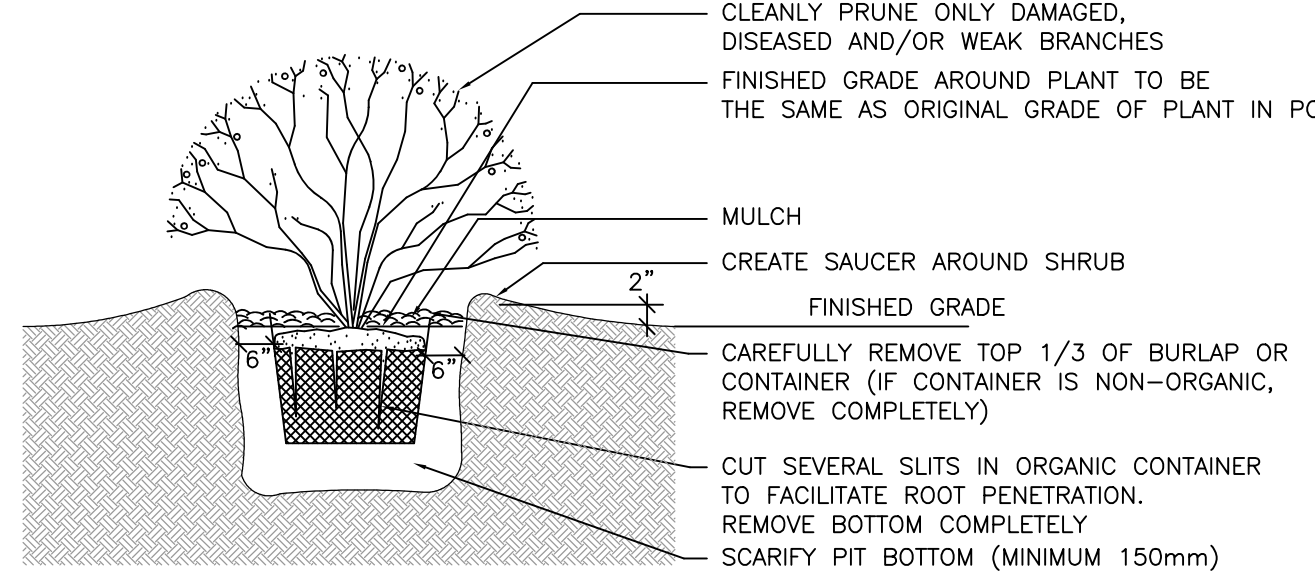
DUMPSTER DETAIL



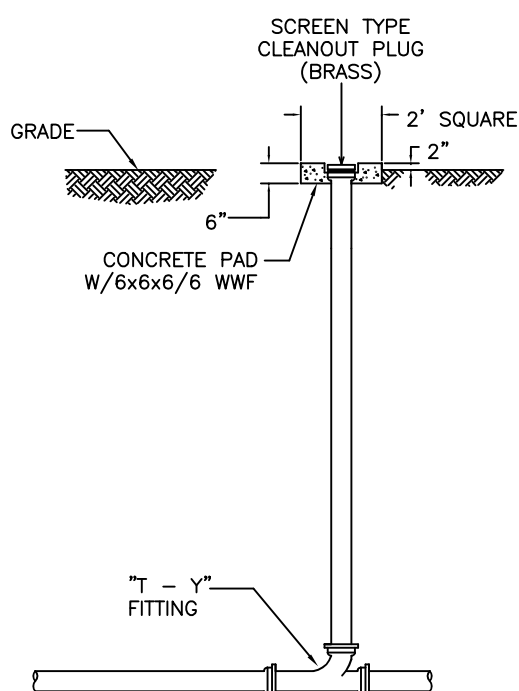
TREE PLANTING
N.T.S.



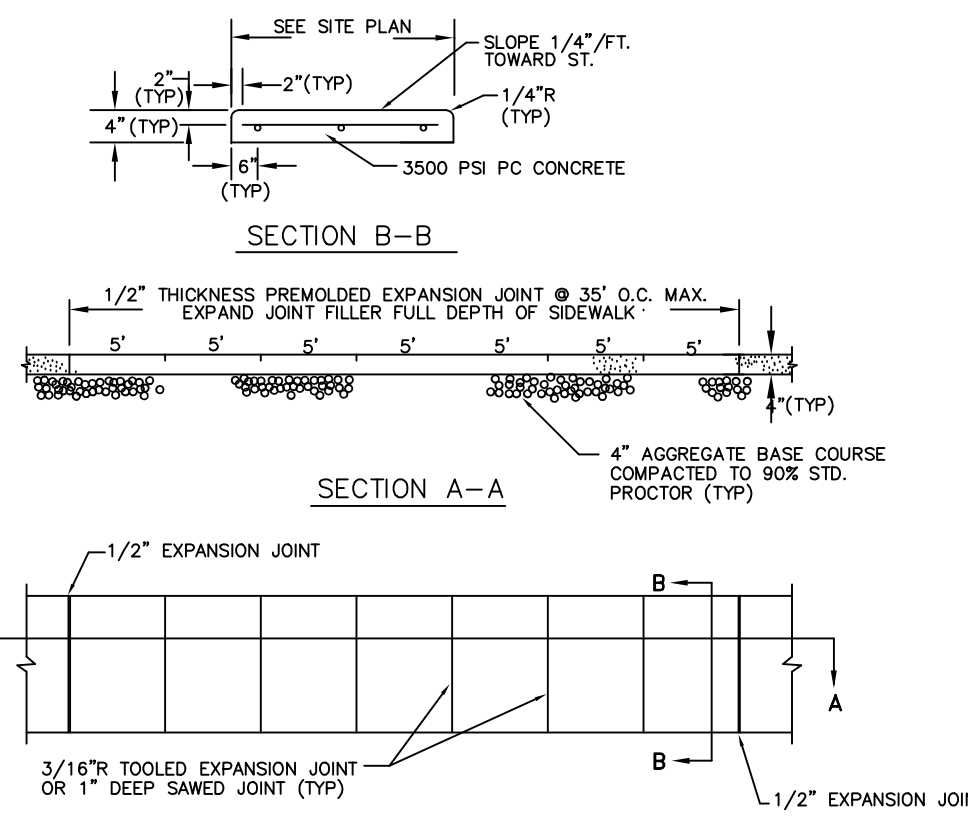
SHRUB DETAIL-BARE ROOT
N.T.S.



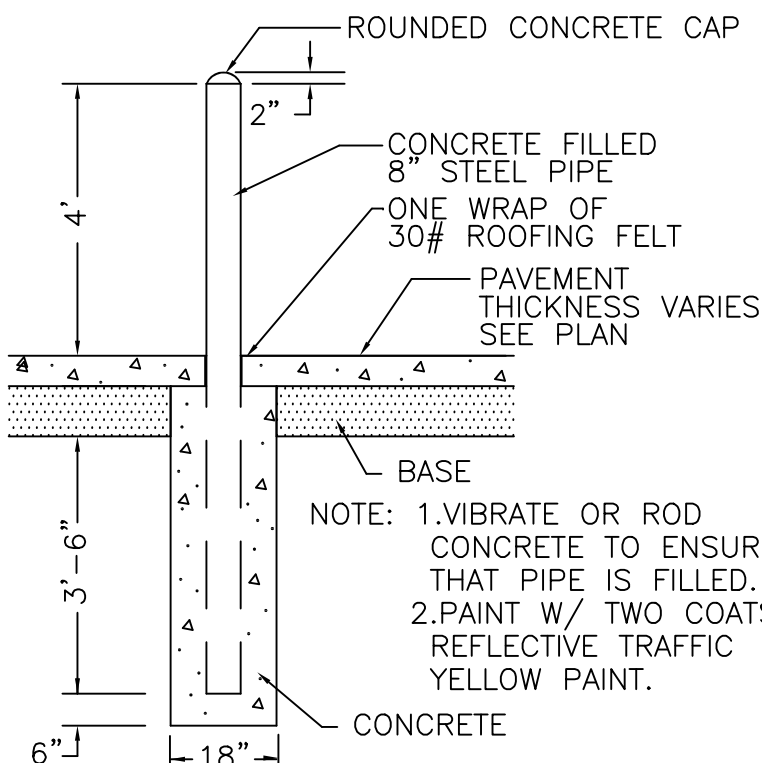
SHRUB DETAIL-POTTED
N.T.S.



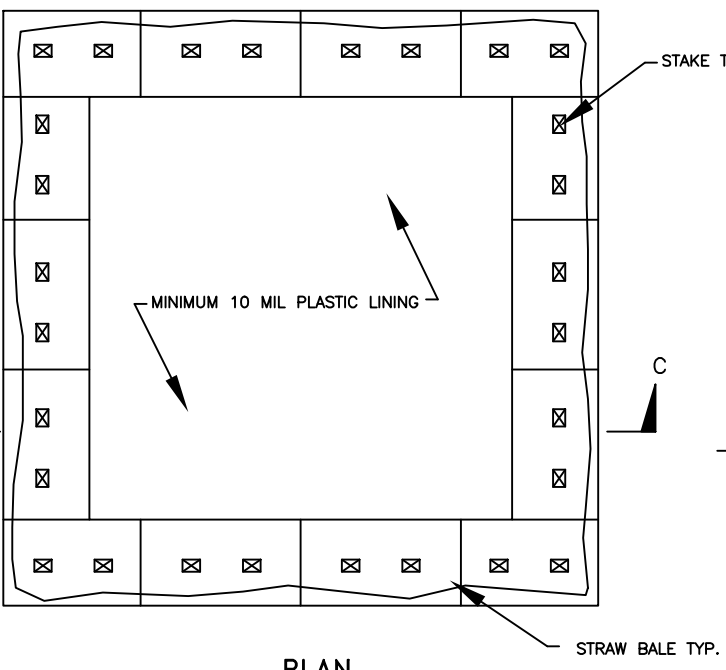
CLEANOUT DETAIL
N.T.S.



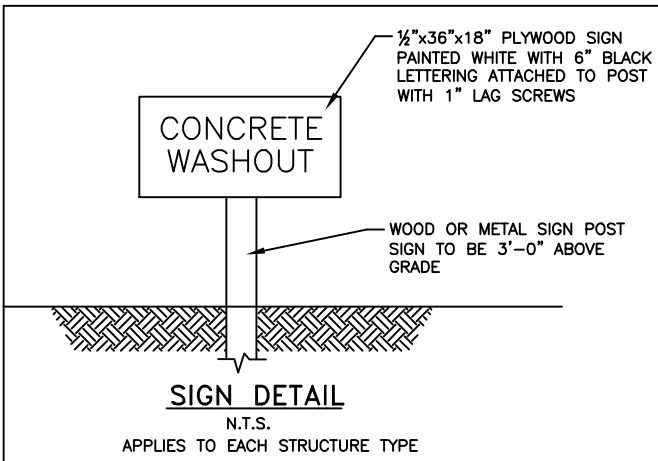
CONCRETE SIDEWALK
N.T.S.



PIPE BOLLARD
N.T.S.

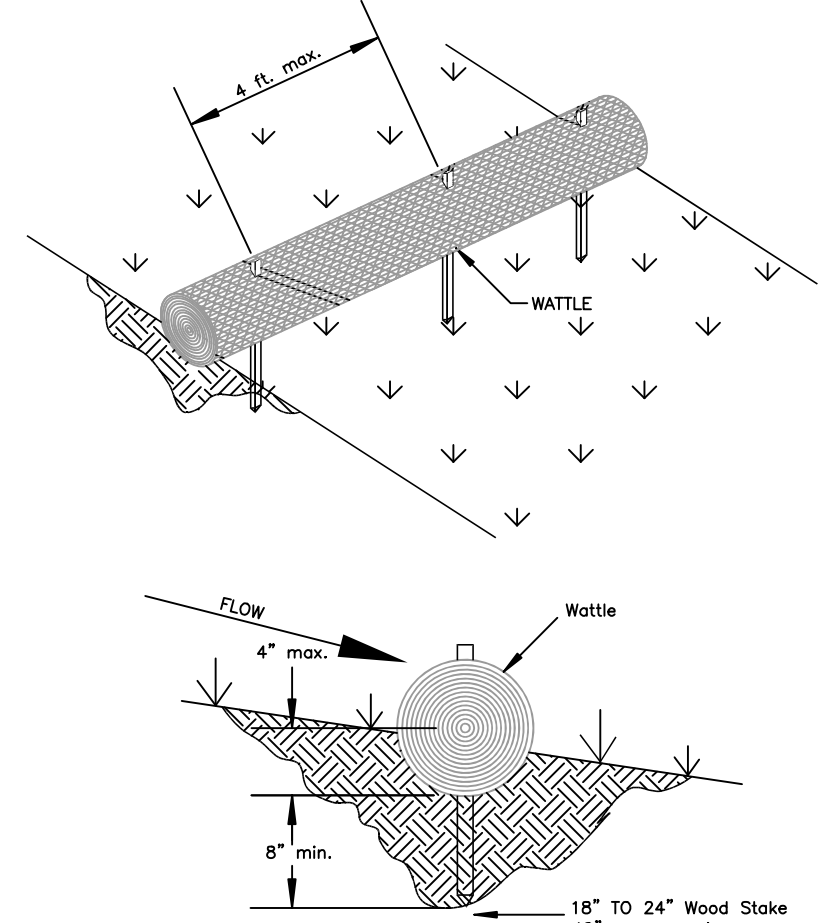


PLAN



SIGN DETAIL
N.T.S.

CONCRETE WASHOUT AREA
N.T.S.



9\"/>

REVISIONS	DATE	DESCRIPTION
NO.		

DEVELOPER:
ARKANSAS CONF ASSOC
OF SEVENTH DAY ADVENTIST
PO BOX 31000
SHREVEPORT, LA 71130
CONTACT: JEFF QUAM
(479)631-5354

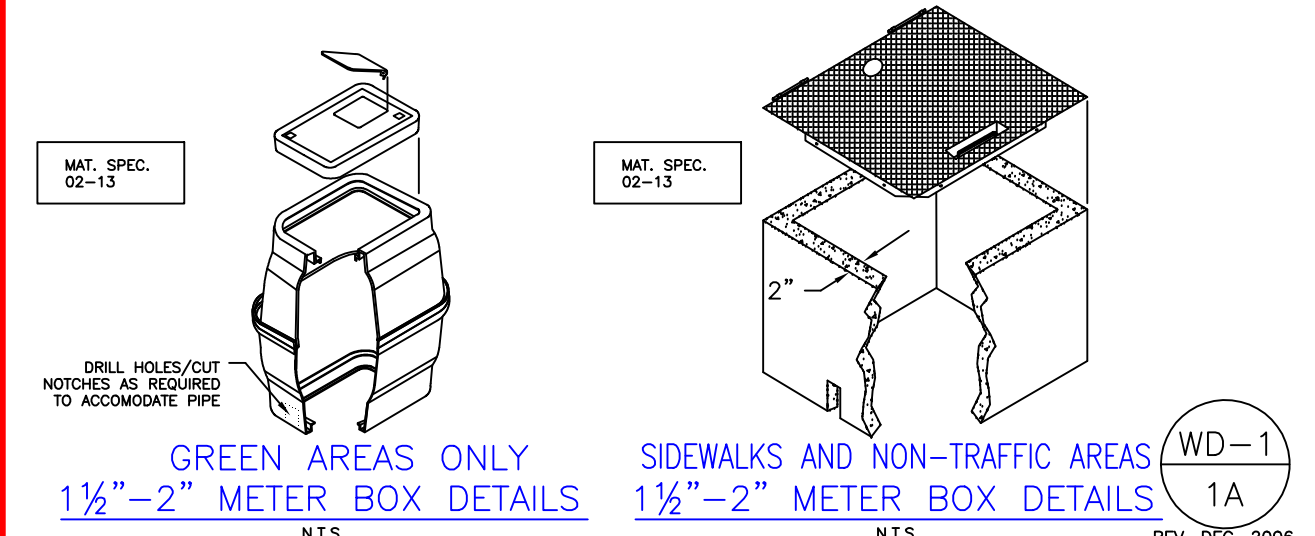
DETAIL SHEET
ROGERS SEVENTH DAY ADVENTIST
301 N 33RD STREET
ROGERS, ARKANSAS

NOT FOR CONSTRUCTION
PRELIMINARY
NOT FOR CONSTRUCTION

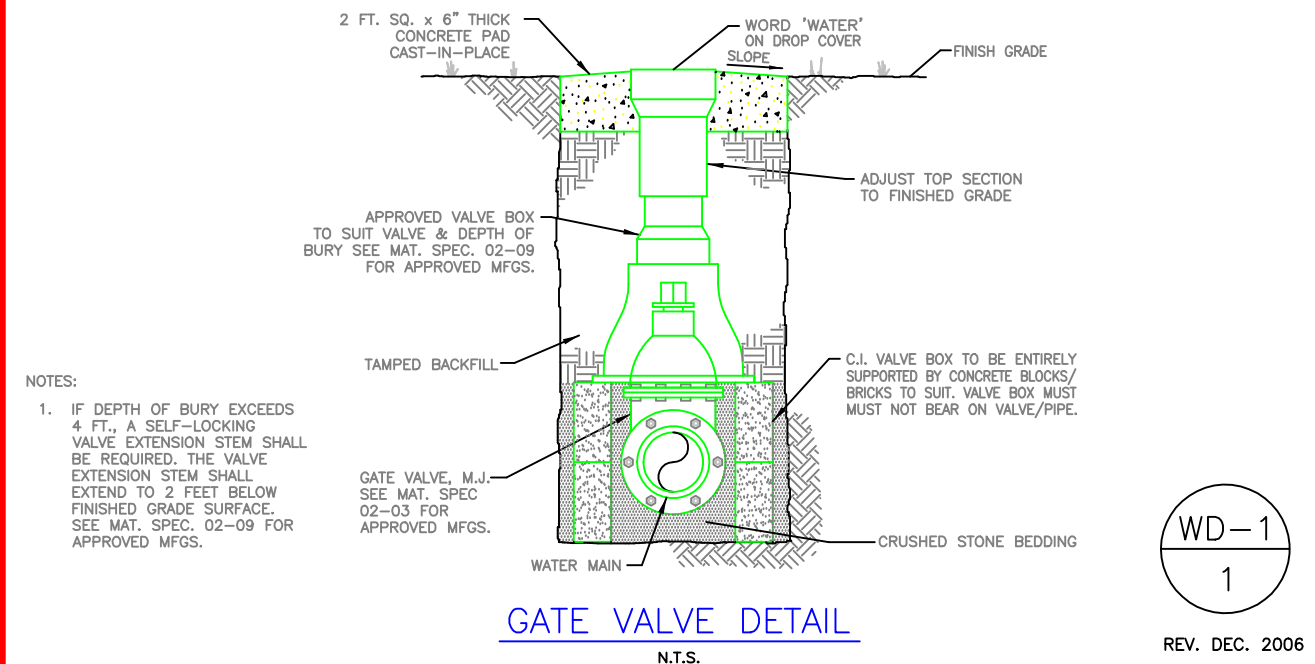
Civil Engineering
Landscape Architecture
Land Planning
Surveying
SAND CREEK
Engineering and Landscape Architecture, Inc.
1221 E. 12th Street, Suite 100
Bentonville, Arkansas 72712
Phone: (479) 464-9262 Fax: (479) 464-9264

MANAGER: JAYNE SABLITNE
DESIGNED BY: TRS
DRAWN BY: KJS
CHECKED BY: TRS
SCE PROJECT #: 15069
DATE: MARCH 4, 2016
SHEET: 5 OF 8

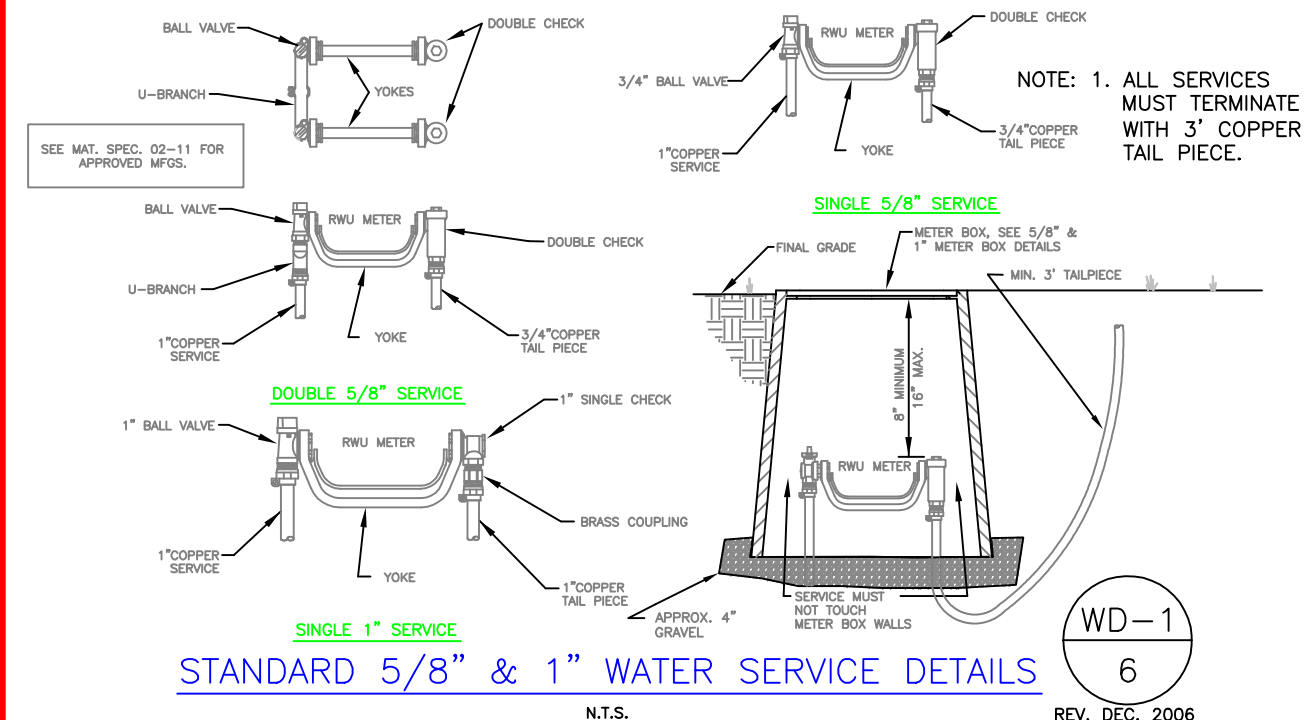
SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS



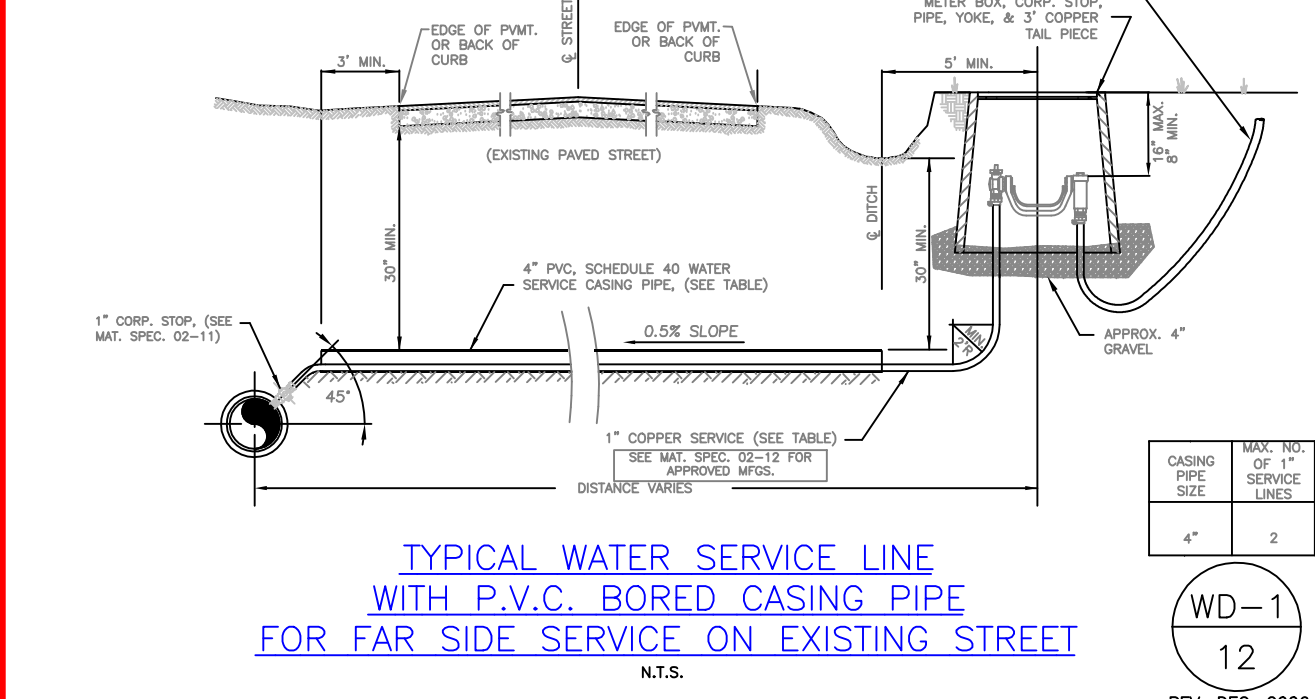
SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS



SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS



SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

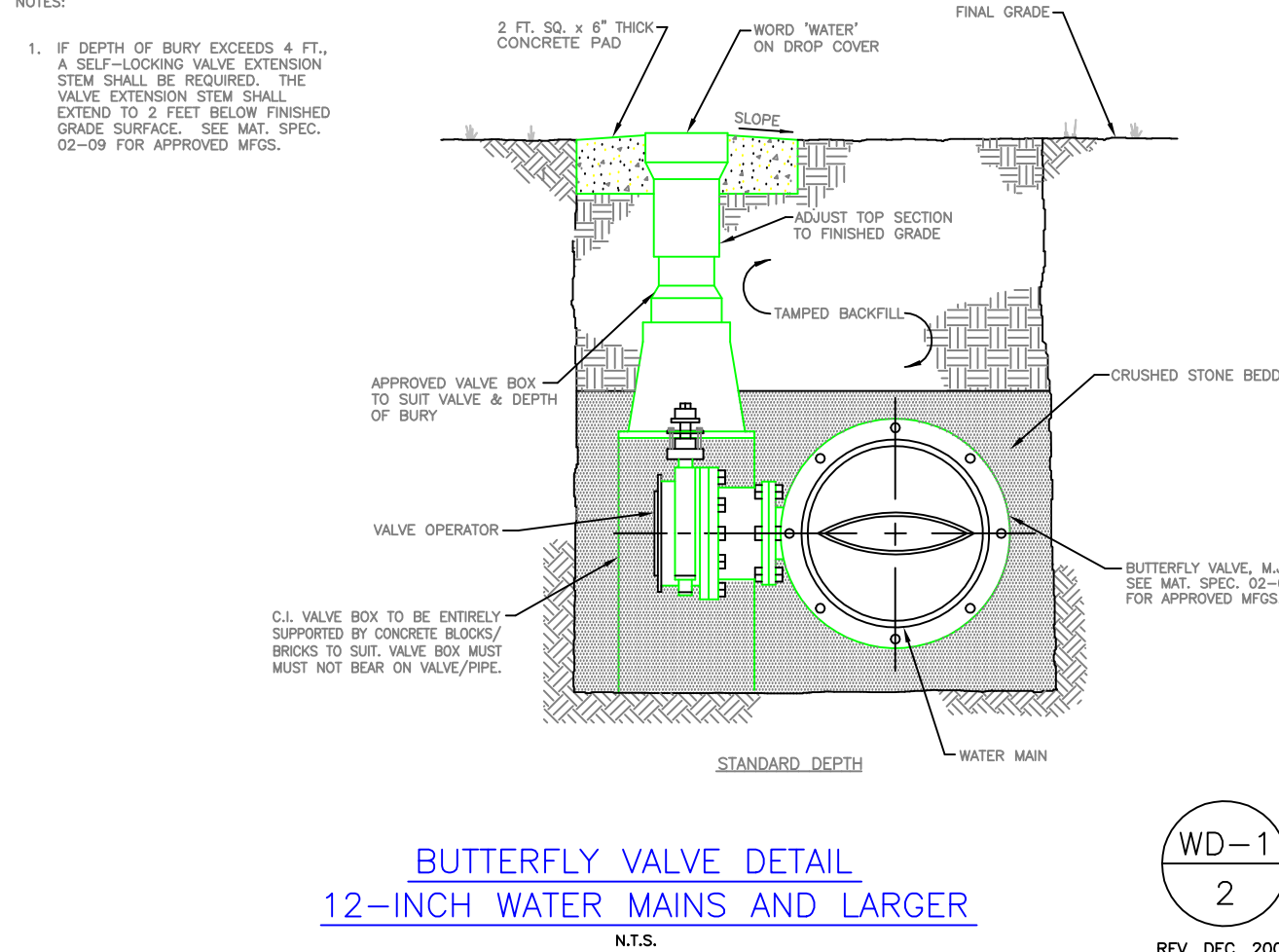


GENERAL CONSTRUCTION NOTES:

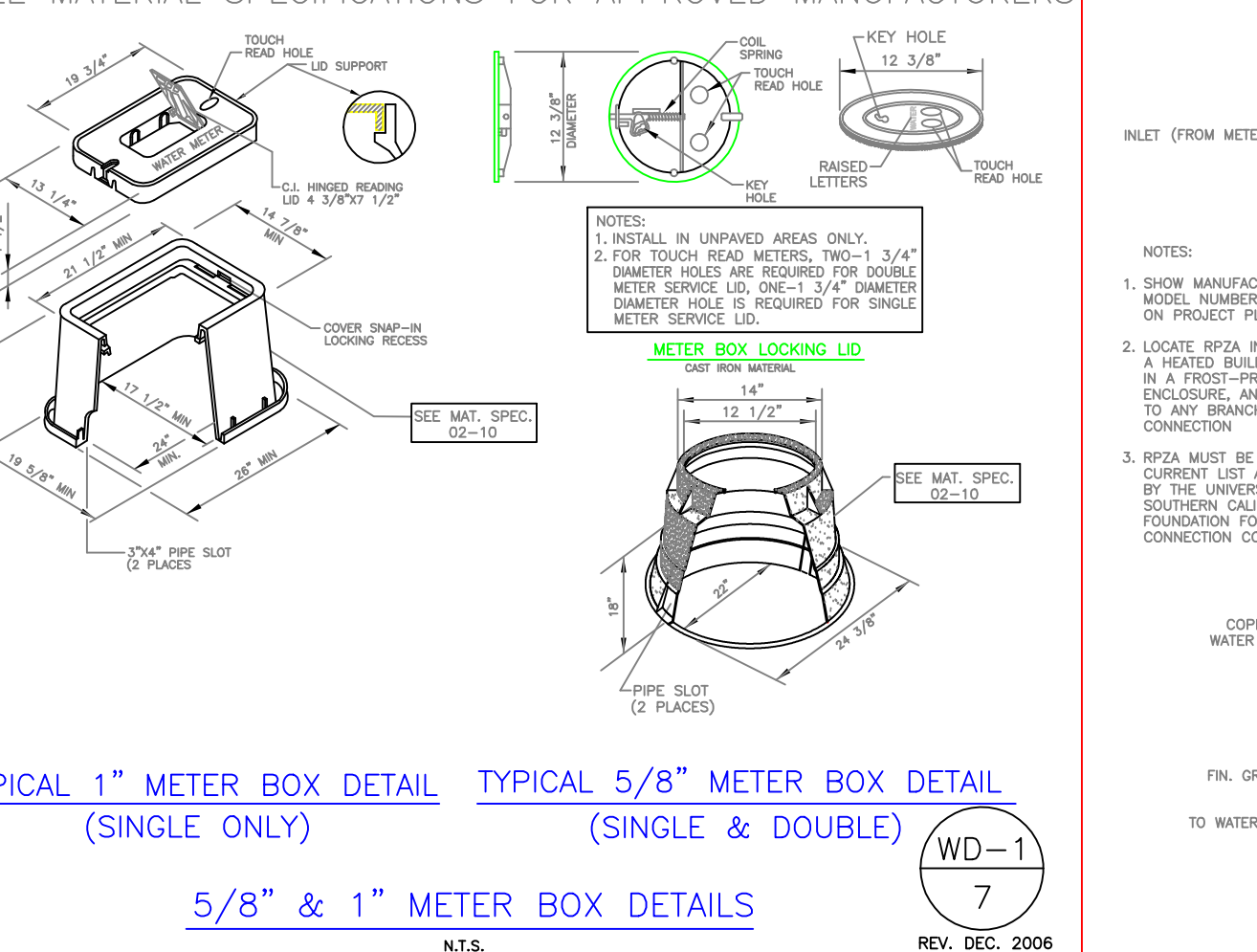
- The contractor will be held solely responsible for damage occurring to any property during the construction of this project. Said contractor shall take all necessary precautions to prevent property damage.
- In accordance with generally accepted construction practices, the contractor will be solely and completely responsible for conditions of the job site, including safety of all persons and property during performance of the work. This requirement will apply continuously and not be limited to normal working hours.
- The duty of Rogers Water Utilities to conduct construction inspection or review of the contractor's performance is not on inspection or review of the adequacy of the contractor's safety measures in, on, or near the construction site.
- All water and sewer improvements shall be constructed in accordance with the latest revision to the Rogers Water Utilities Standards Specifications.
- The contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans is based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied on as being exact or complete. The contractor must call the appropriate utility company at least 48 hours before any excavation to request exact field location of utilities. It shall be the responsibility of the contractor to relocate all existing utilities which conflict with the proposed improvements shown on the plans.
- Contractor is to remove and dispose of all debris, rubbish and other materials resulting from previous and current demolition operations. Disposal will be in accordance with all local, state and/or federal regulations governing such operations.
- Prior to installation of any utilities, the contractor is to excavate, verify, and calculate all crossings and inform the Rogers Water Utilities of any conflicts prior to construction.
- Construction shall not start on any water utility until approval is given by Rogers Water Utilities. Said contractor shall not operate any valve, hydrant, or water utility appearance nor shall he attach to or tap any water utility main without approval. The contractor shall bear the cost and consequence of any disruption of utility operation caused by construction.

WD-1-2011.DWG

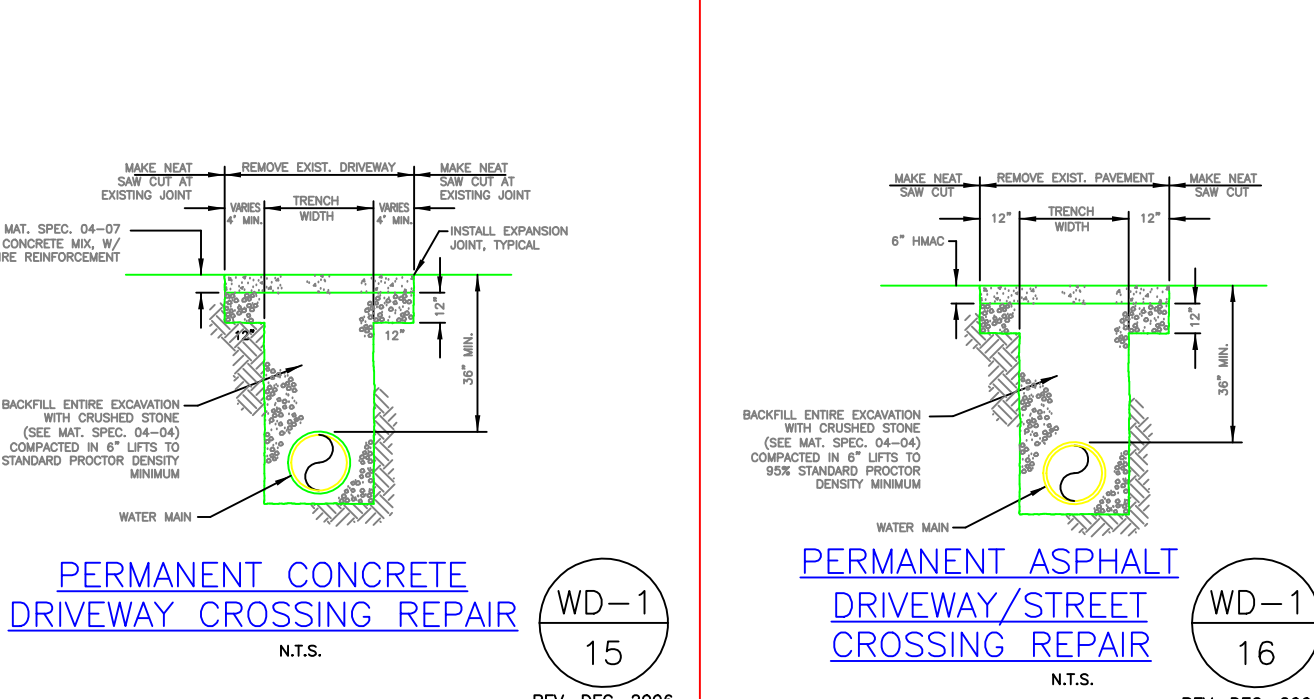
SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS



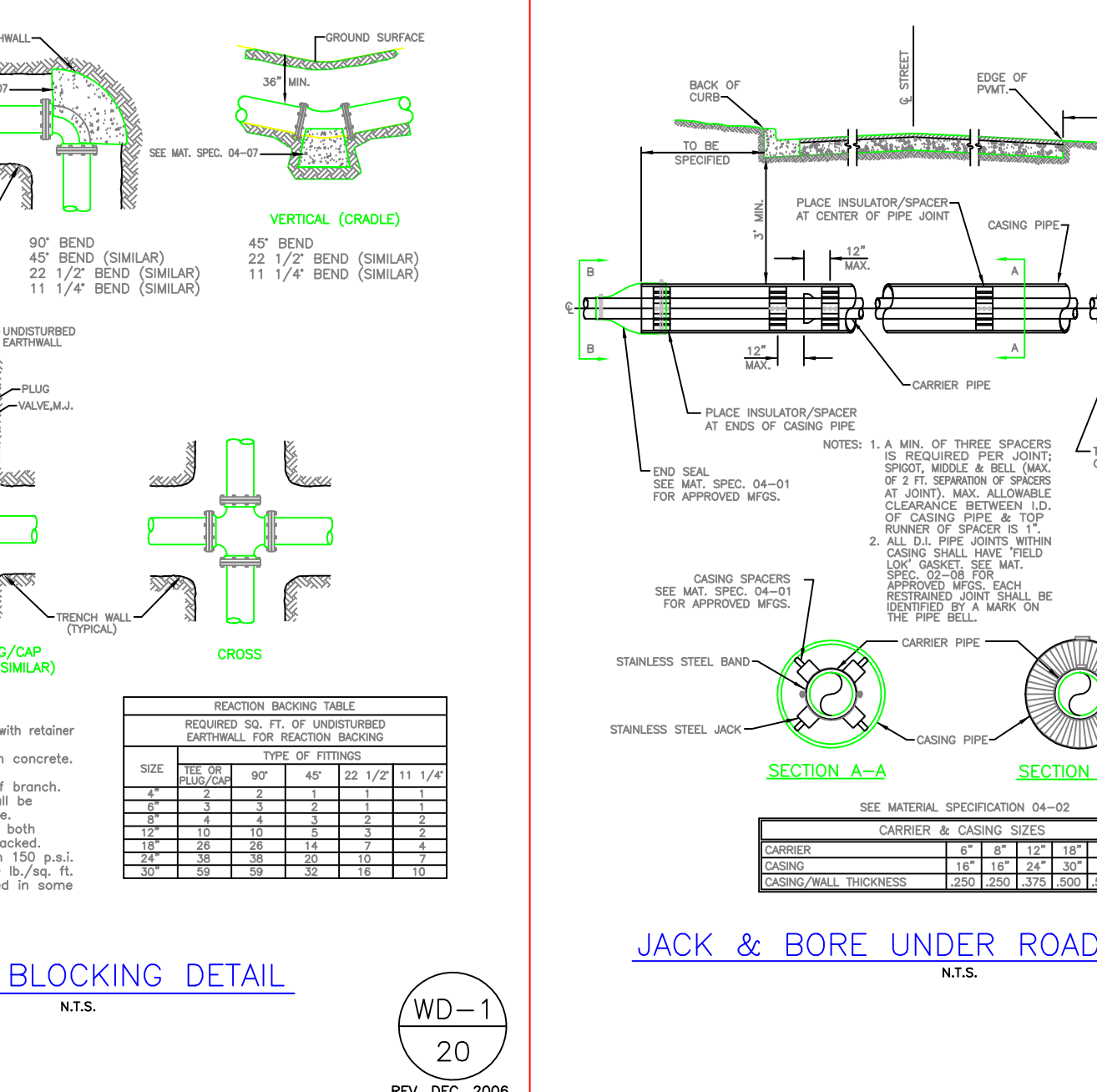
SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS



SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

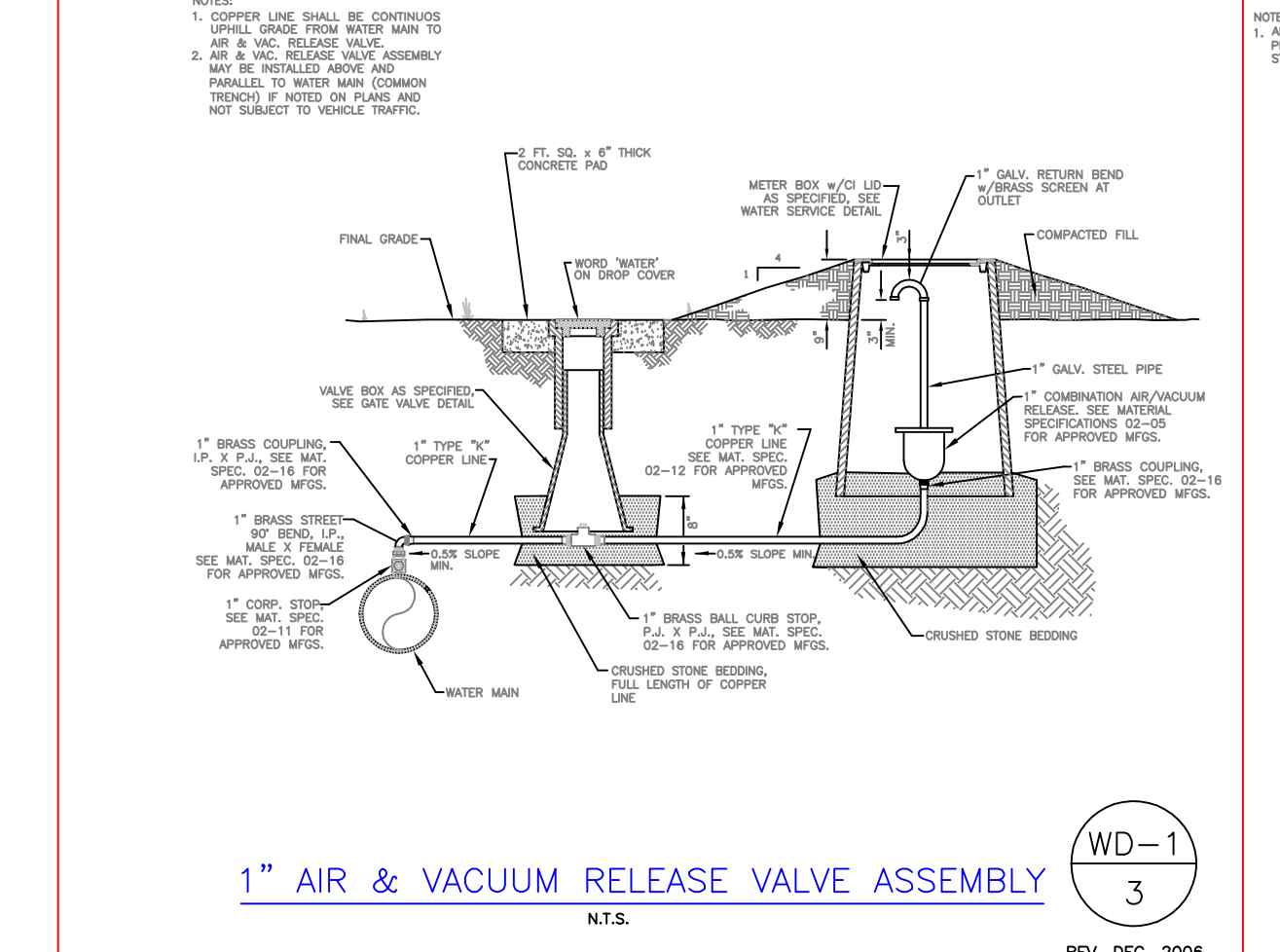


SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

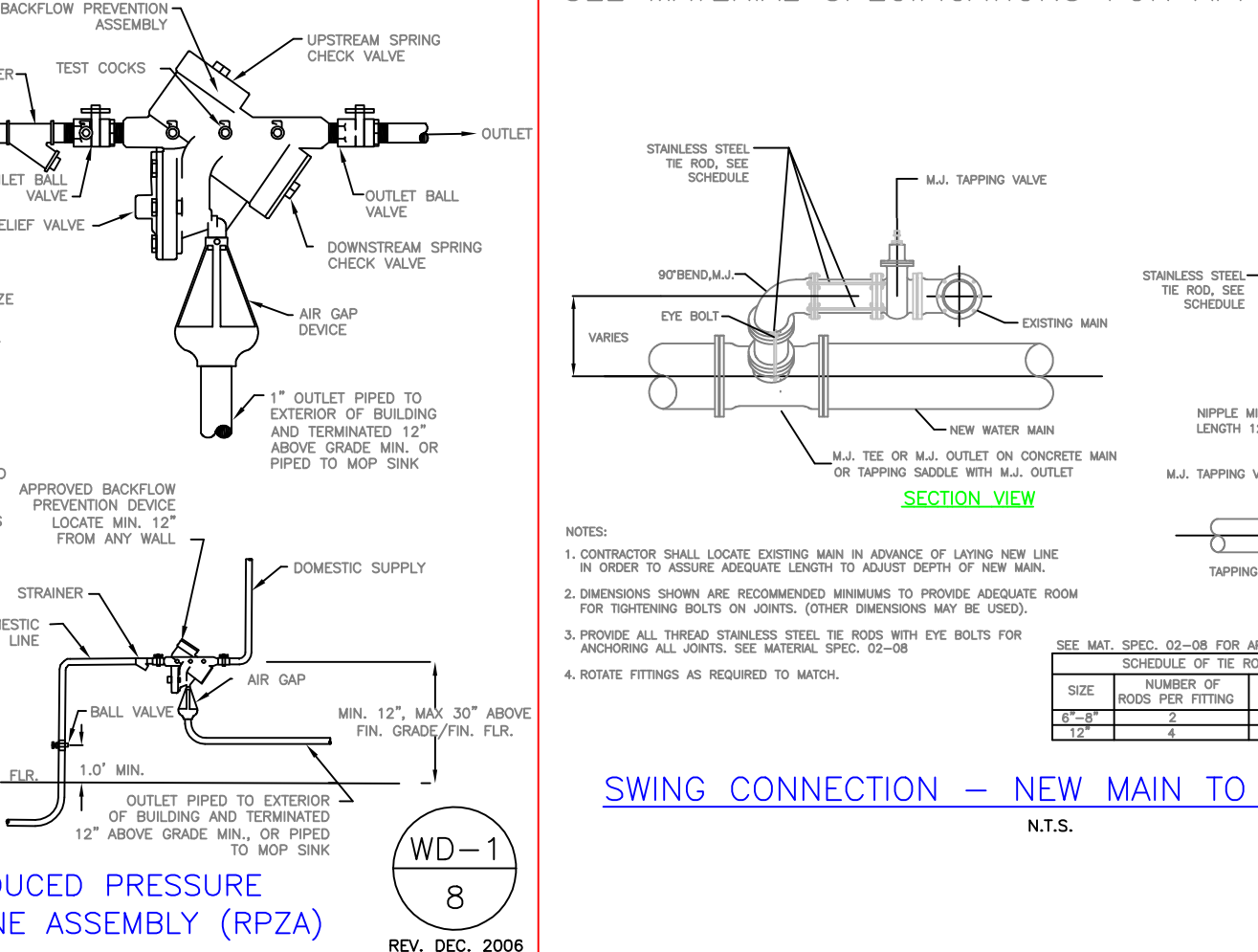


WD-1-2011.DWG

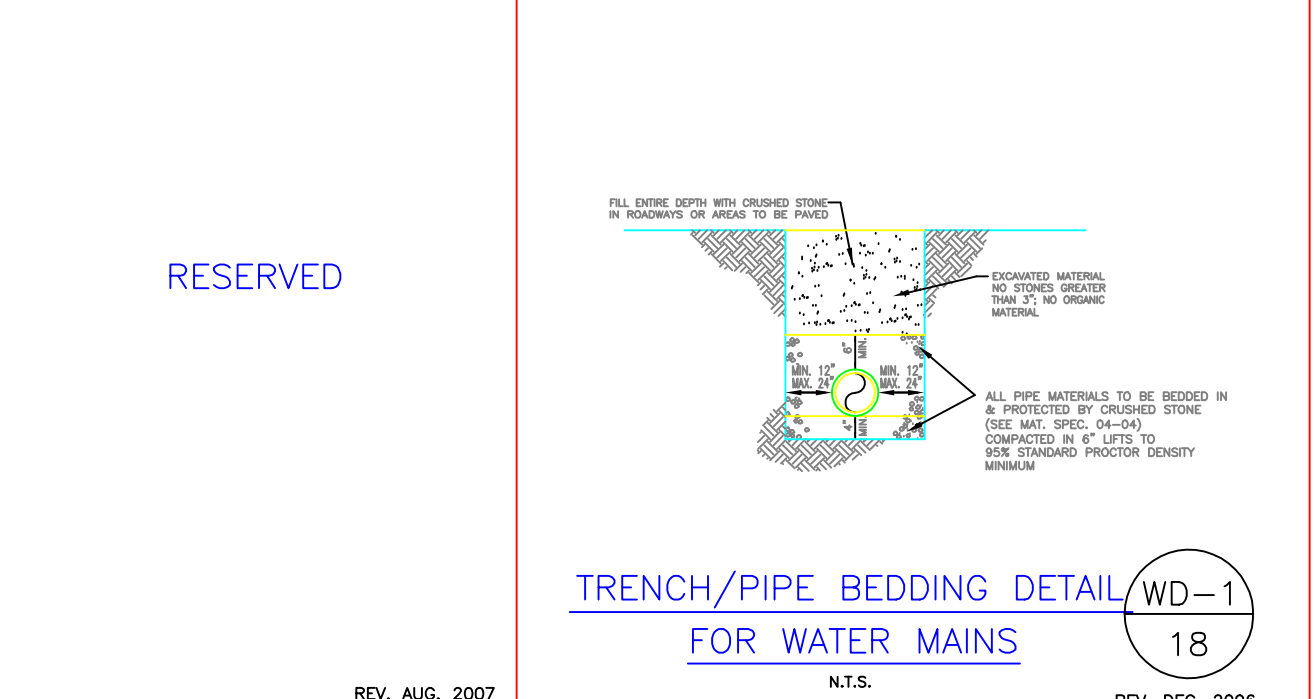
SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS



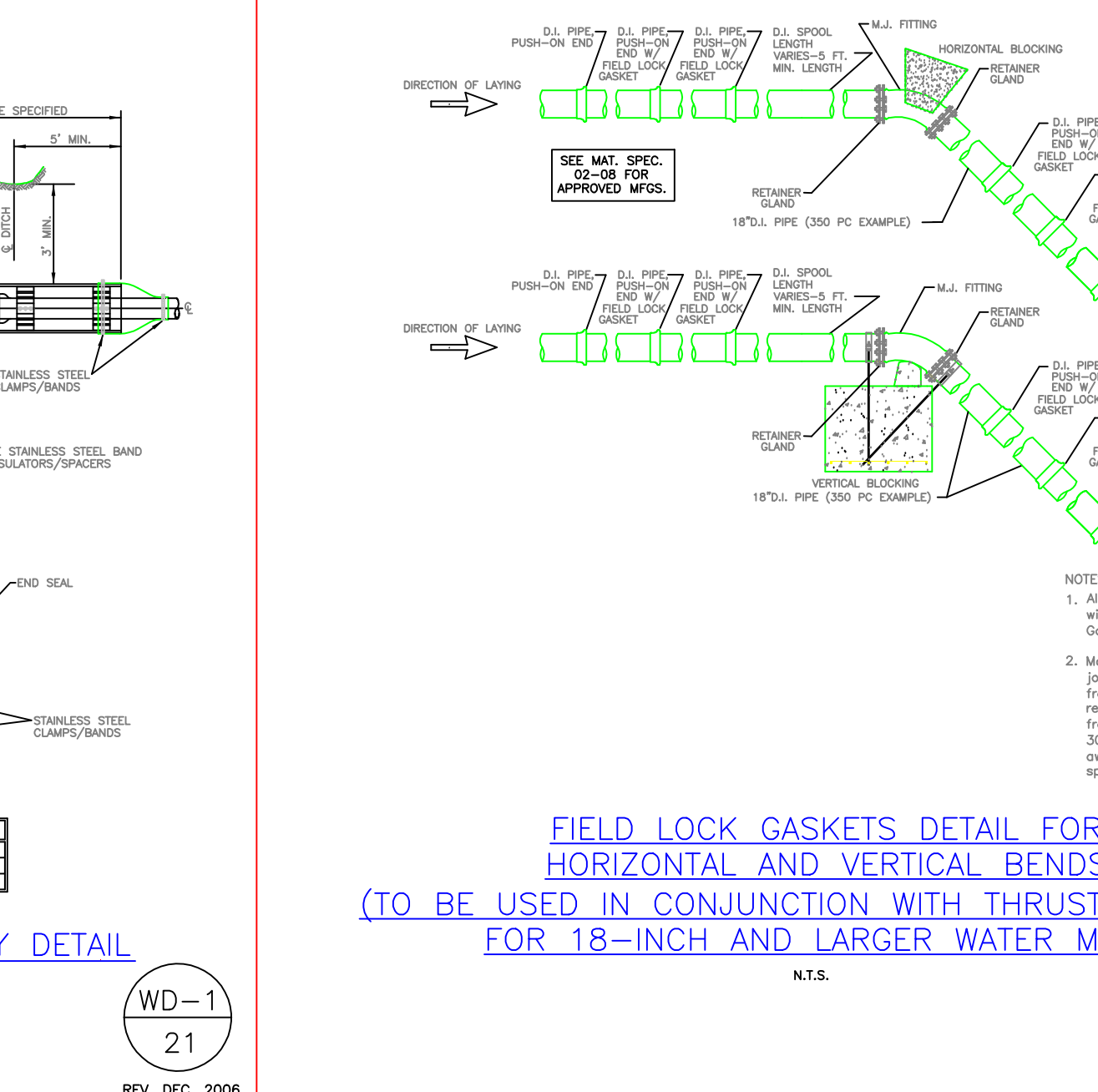
SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS



SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

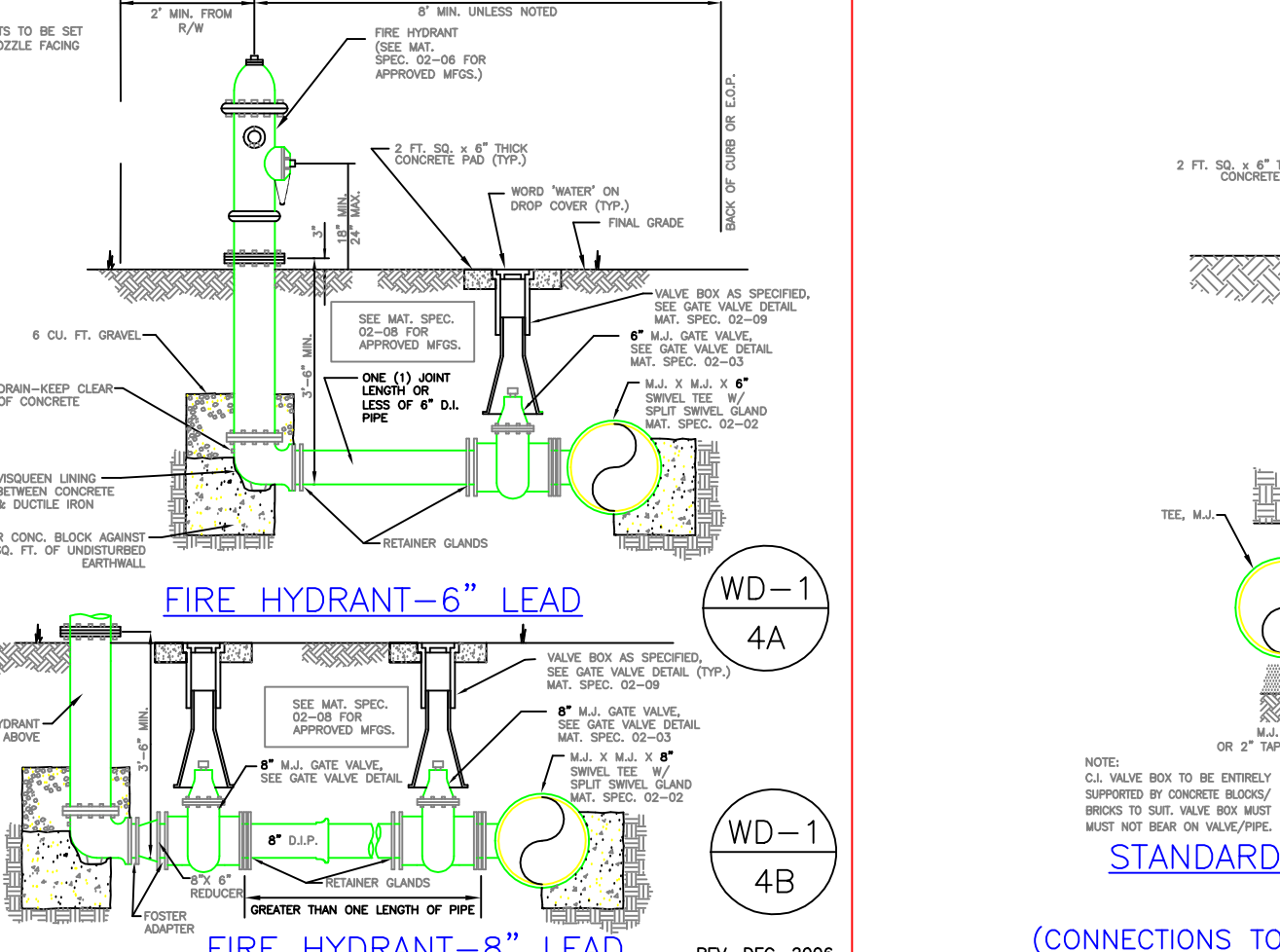


SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

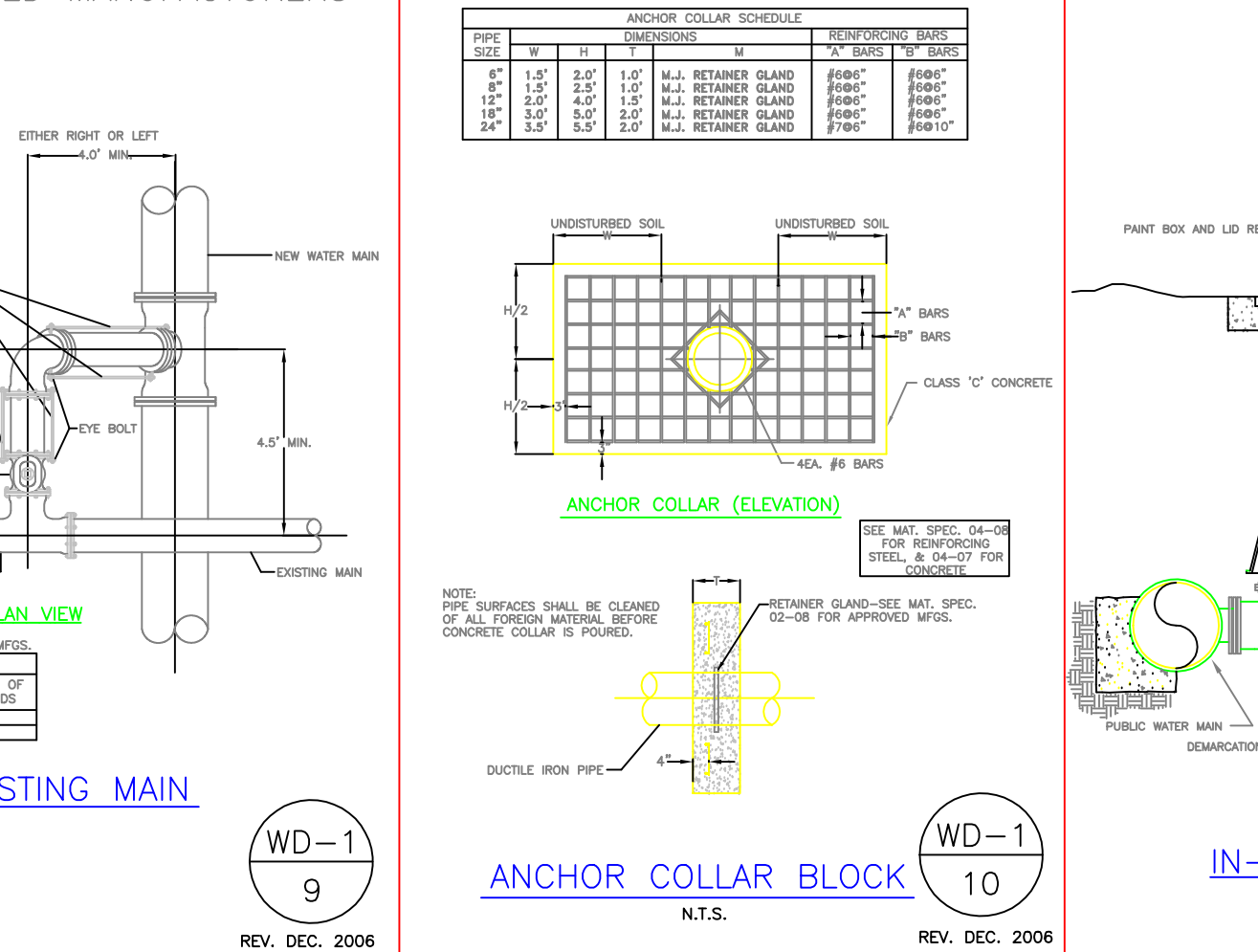


WD-1-2011.DWG

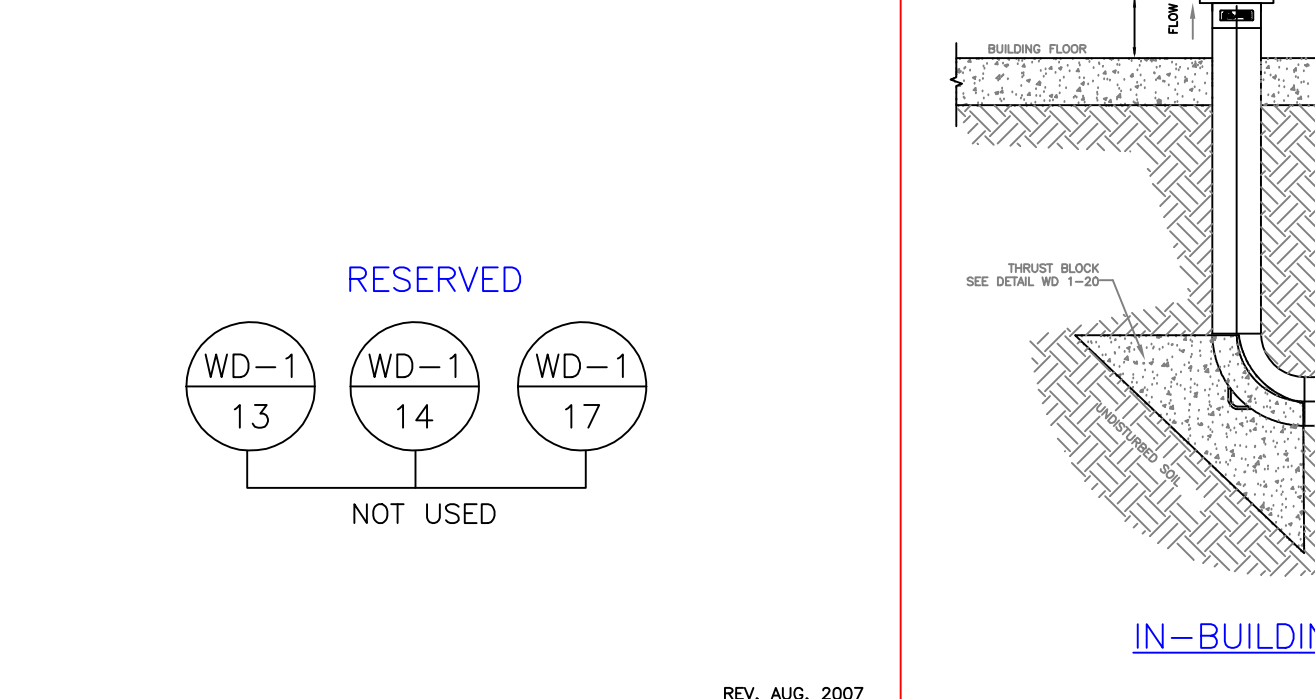
SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS



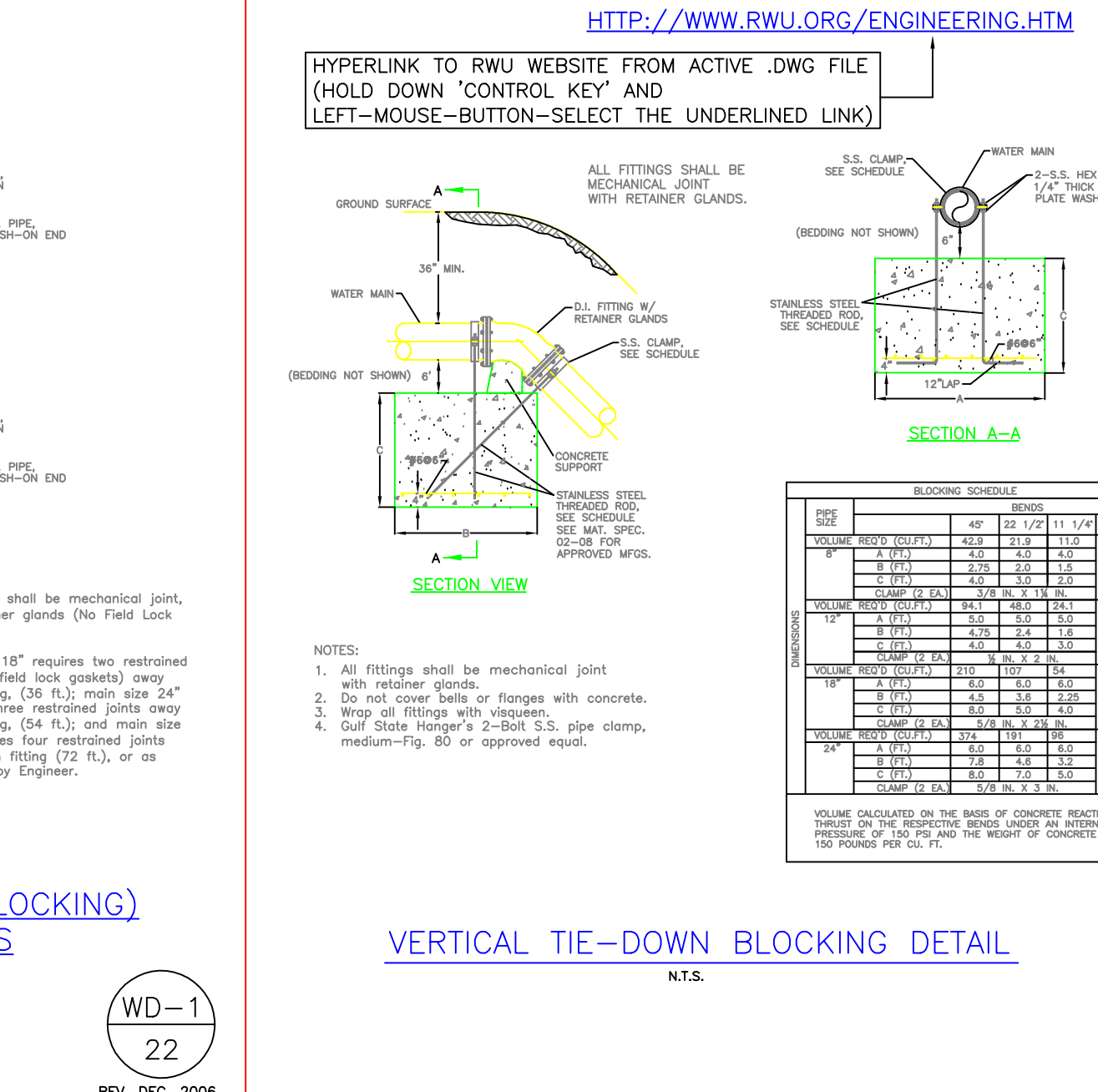
SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS



SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

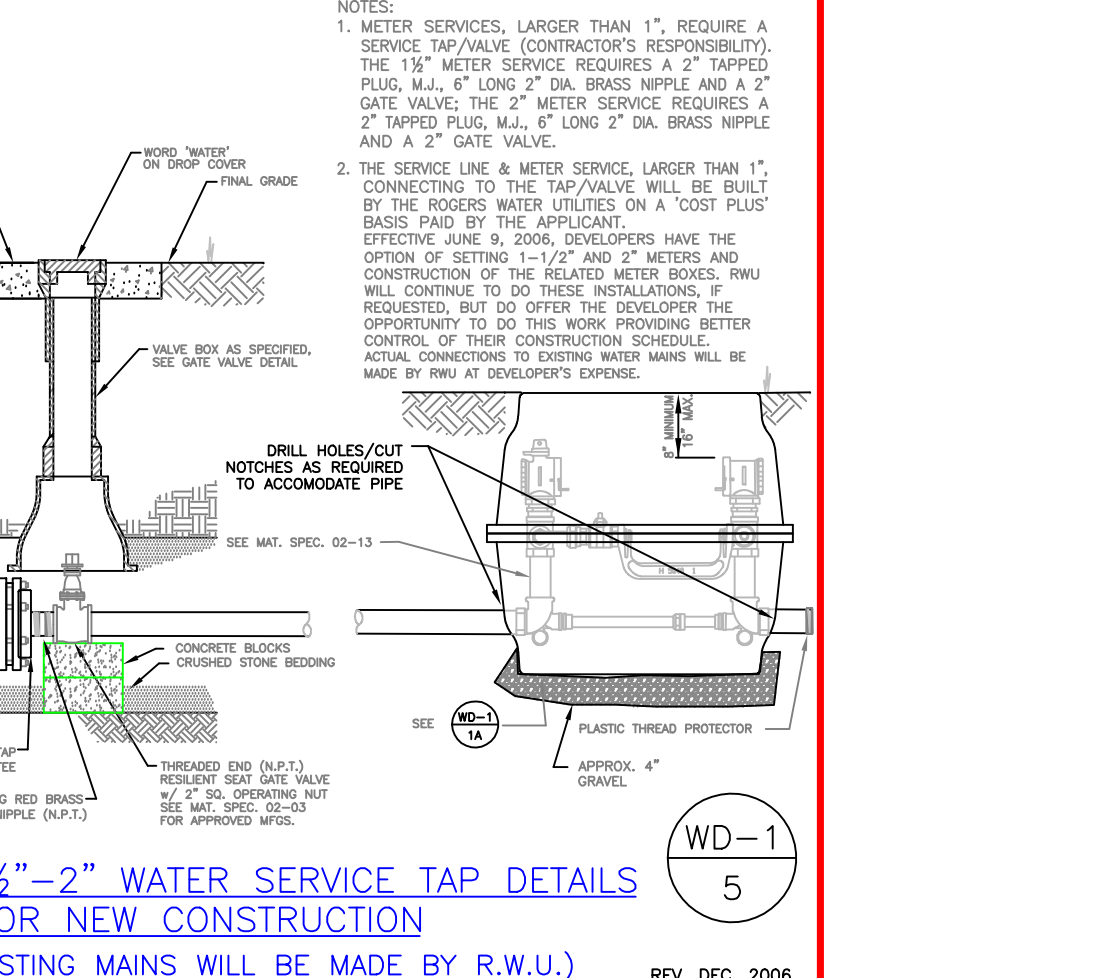


SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

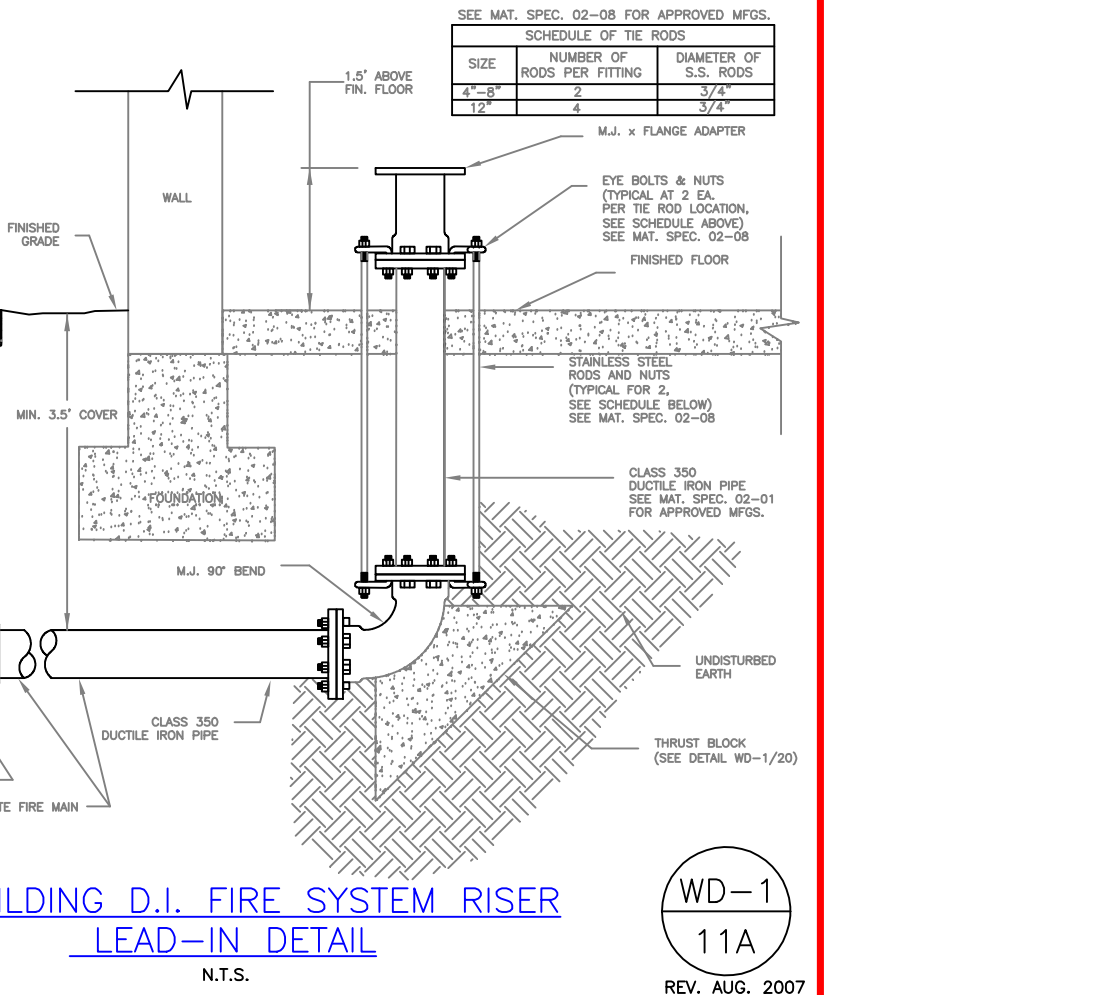


WD-1-2011.DWG

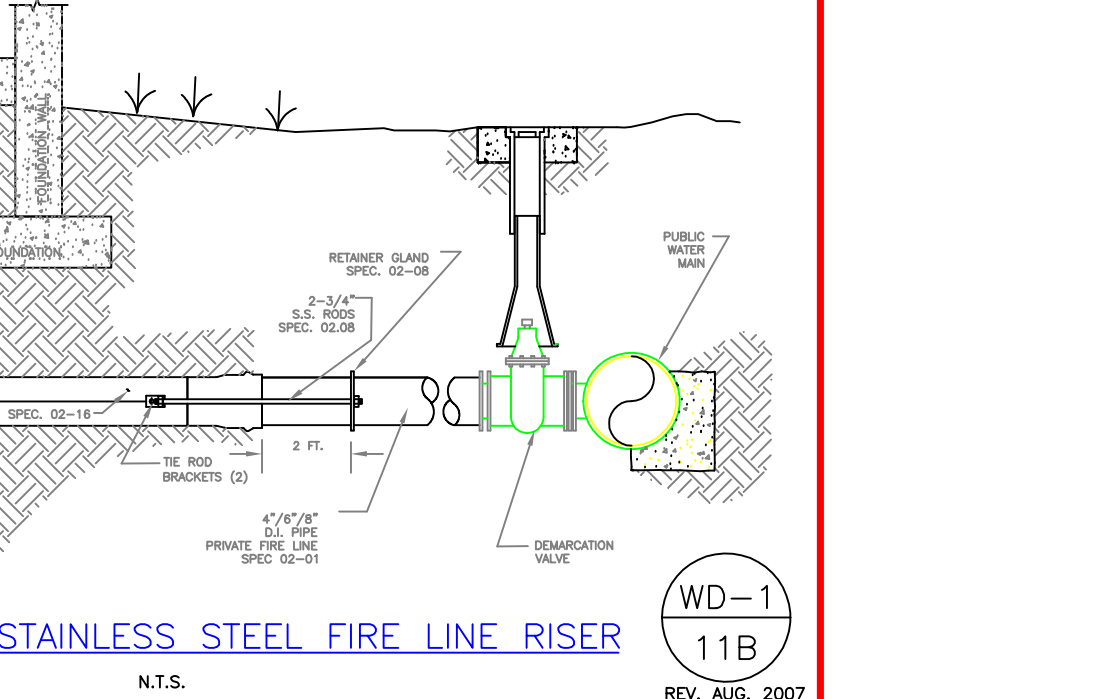
SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS



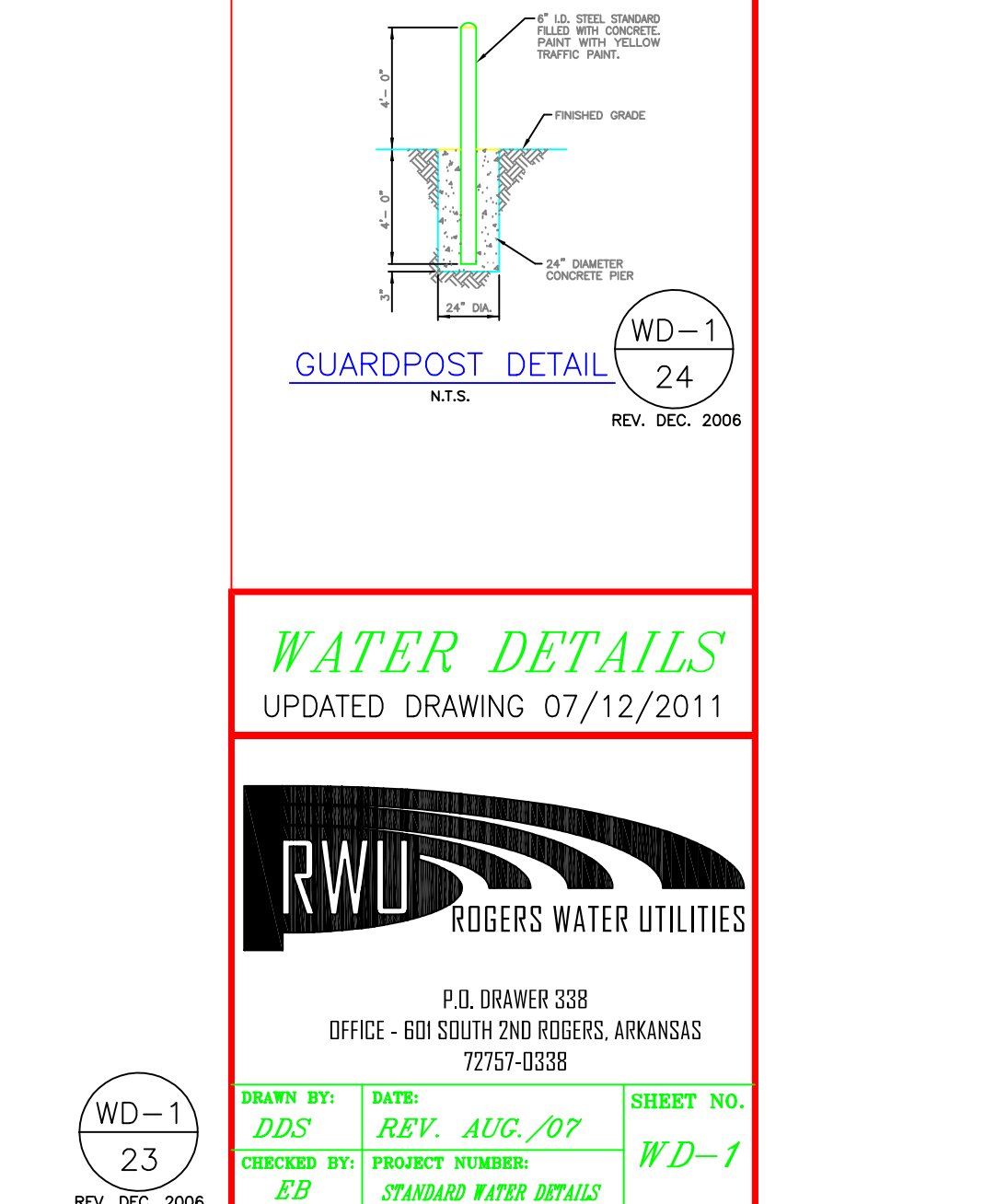
SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS



SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS



SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS



WD-1-2011.DWG

WD-2
1A

WD-2
1

WD-2
6

WD-2
12

Diagram illustrating a fire hydrant assembly with the following components and labels:

- EXISTING TEE AND VALVE, BY PROPOSED TAPPING SLEEVE AND TAPPING WELD. SEE MAT. SPEC. CO-07
- EXISTING PUBLIC WATER MAIN
- MIN. 8" O.D.P., WATER MAIN
- WATER METER, SEE DETAILS MD-1/7A, MD-1/7B, MD-1/7C, MD-1/7D, MD-1/7E
- COMMERCIAL WATER SERVICE
- FIRE HYDRANT ASSEMBLY, SEE WD-1/ANAS
- IRRIGATION
- REDUCER, IF NEEDED
- NEW PUBLIC WATER MAIN
- DISCHARGE VALVE, SEE MAT. SPEC. CO-07 FOR APPROVED PAINT, RISER BOX AND LO-BED
- EASEMENT REQUIRED
- PRIVATE FIRE LINE

$$\frac{WD-2}{2}$$

WD-2
3

Diagram illustrating the components of a fire hydrant assembly:

- FIRE HYDRANT ASSEMBLY
- SEE WD-1/FAHB
- FOSTER ADAPTER
- M.J. Y M.J. GATE VALVE OR BUTTERFLY VALVE AS SPECIFIED FOR PIPE SIZE, SEE WD- SPEC. OR-03 FOR APPROVED MFGS.
- M.J. PLUG


N.T.S.

Technical drawing of a fire hydrant assembly. The drawing shows a side view of the hydrant with various components labeled with callouts:


- 6**: FIRE HYDRANT ASSEMBLY SEE WD-1-1A AND
- 7**: FOSTER ADAPTER
- 8**: M.O. X M.A. BUTTERFLY VALVE AS SPECIFIED FOR FIRE HYDRANT SEE WD-1-1A AND WD-1-1B
- 9**: M.A. PLUG
- 10**: THRUST BLOCKING SEE DETAIL WD-1-2/3
- 11**: SIX RODS & EXT. BOLTS SEE WD-1/2
- 12**: ANCHOR COLLAR BLOCK SEE WD-1/3

WD-2
5

WD-2
7



WD-2
9



WD-2
11

METER SIZE	FLOW RANGE	CONNECTION TO MAIN		METER BOX APPROX. SIZE	SOURCE	
		NEW MAIN	EXISTING MAIN	SIDEWALK	GREEN AREAS	
5/8" (SINGLE OR DOUBLE)	1-20 GPM	1" CORP. STOP	1" CORP. STOP		~22" DIA. BASE	SEE STANDARD SPEC. 02-10
1"	3-50 GPM	1" CORP. STOP	1" CORP. STOP		~18"x24" BASE	SEE STANDARD SPEC. 02-10
1 1/2"	4-120 GPM	SEE WD 1/5	2" TAPPING SADDLE AND VALVE	32" x 42" (PRECAST BOX)	2-24"x 37" METER BOXES	SEE STANDARD SPEC. 02-13
2"	4-160 GPM	SEE WD 1/5	2" TAPPING SADDLE AND VALVE	32" x 42" (PRECAST BOX)	2-24"x 37" METER BOXES	SEE STANDARD SPEC. 02-13
3"	5-350 GPM	SEE WD 1/5	2" TAPPING SADDLE AND VALVE	8' L. x 5.5' W. x 4' D.		PRECAST BY PILE CONCRETE, LOWELL, AR
4"	15-1000 GPM	MAIN x 4" TEE AND VALVE	MAIN x 4" TAPPING SADDLE AND VALVE	6'x10'		(CAST-IN-PLACE BOX) BY CONTRACTOR-SEE RWU FOR LID DETAIL
6"	30-2,000 GPM	MAIN x 6" TEE AND VALVE	MAIN x 6" TAPPING SADDLE AND VALVE	6'x10'		(CAST-IN-PLACE BOX) BY CONTRACTOR-SEE RWU FOR LID DETAIL
8"	35-3,500 GPM	MAIN x 8" TEE AND VALVE	MAIN x 8" TAPPING SADDLE AND VALVE	6'x10'		(CAST-IN-PLACE BOX) BY CONTRACTOR-SEE RWU FOR LID DETAIL

WD-2
19

WD-2
21

WD-2
22

WD-2
23



RWU
ROGERS WATER UTILITIES

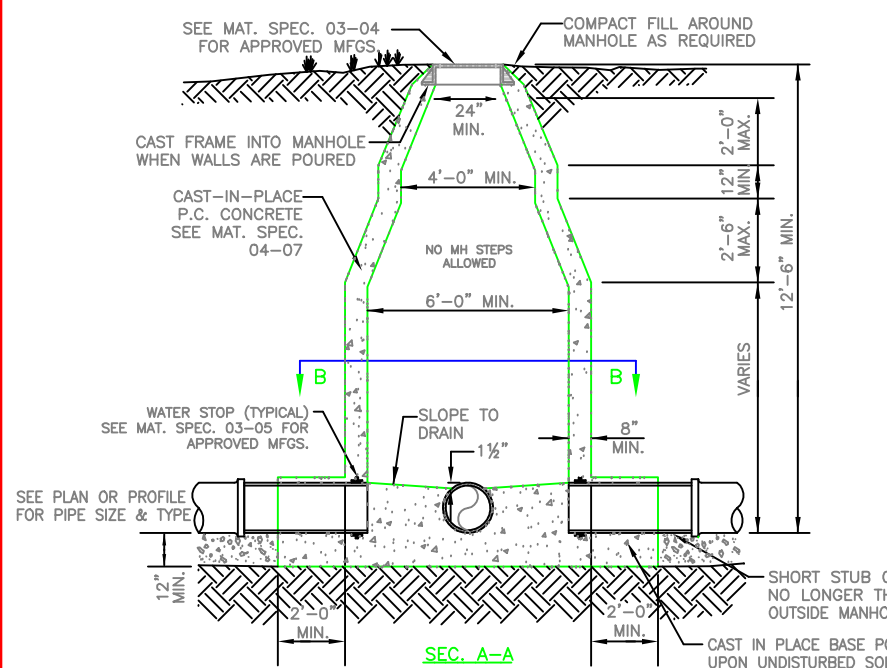
P.O. DRAWER 338
OFFICE - 601 SOUTH 2ND ROGERS, ARKANSAS
72757-0338

DRAWN BY: <i>DDS</i>	DATE: <i>REV. JAN./08</i>	SHEET NO. <i>WD-2</i>
CHECKED BY: <i>EB</i>	PROJECT NUMBER: <i>STANDARD WATER DETAILS</i>	

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

- NOTES:
1. A MANHOLE BARREL CONSTRUCTION JOINT IS ALLOWED WITHIN A STRAIGHT WALL SEGMENT OF THE BARREL AT 12'-0" ABOVE THE MANHOLE BASE AND SHALL HAVE A KEY WAY AND #4 REBAR AT 12'-0" ON CONCRETE IN ALL DIRECTIONS. A WATER STOP SHALL BE USED IF DIRECTED BY THE UTILITY.
 2. THE BASE AND WALLS SHALL BE POURED MONOLITHICALLY.
 3. THE CENTERLINE OF ALL PIPES ENTERING AND LEAVING MANHOLE SHALL PASS THROUGH THE CENTER OF THE MANHOLE.
 4. MANHOLES THAT ARE LESS THAN 12'-0" IN DEPTH SHALL BE INDIVIDUALLY DESIGNED PER LOCATION CONDITIONS AND MUST BE APPROVED BY THE UTILITY.

- NOTES:
1. THE UTILITY MUST APPROVE THE USE OF A DROP MANHOLE AND IF APPROVED, THE DROP MANHOLE ASSEMBLY IS ONLY ALLOWED IN THE 6'-0" FOOT BARREL SECTION.
 2. THE SEWER SERVICE PIPE CROWN ELEVATION ENTERING THE MANHOLE SHALL MATCH THE PIPE CROWN ELEVATION OF THE ENTERING SEWER MAIN.



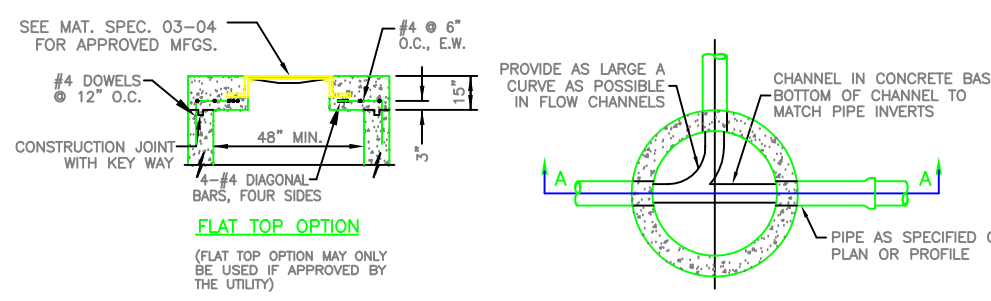
6 FT. CAST-IN-PLACE SANITARY SEWER MANHOLE DETAIL

N.T.S.

SD-1
1
REV. DEC. 2006

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

- NOTES:
1. A MANHOLE BARREL CONSTRUCTION JOINT IS ALLOWED WITHIN A STRAIGHT WALL SEGMENT OF THE BARREL AT 12'-0" ABOVE THE MANHOLE BASE AND SHALL HAVE A KEY WAY AND #4 REBAR AT 12'-0" ON CONCRETE IN ALL DIRECTIONS. A WATER STOP SHALL BE USED IF DIRECTED BY THE UTILITY.
 2. THE BASE AND WALLS SHALL BE POURED MONOLITHICALLY.
 3. THE CENTERLINE OF ALL PIPES ENTERING AND LEAVING MANHOLE SHALL PASS THROUGH THE CENTER OF THE MANHOLE.
 4. MANHOLES THAT ARE LESS THAN 12'-0" IN DEPTH SHALL BE INDIVIDUALLY DESIGNED PER LOCATION CONDITIONS AND MUST BE APPROVED BY THE UTILITY.

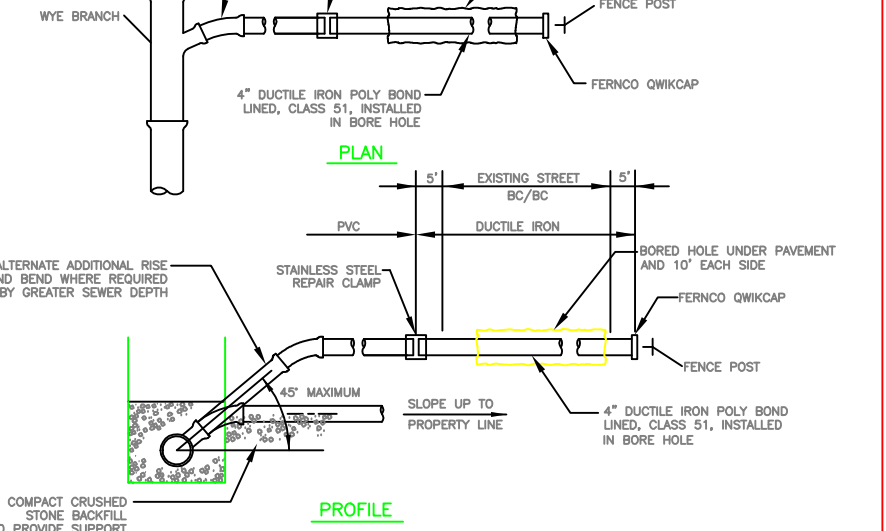


4 FT. CAST-IN-PLACE SANITARY SEWER MANHOLE DETAIL

N.T.S.

SD-1
2
REV. DEC. 2006

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

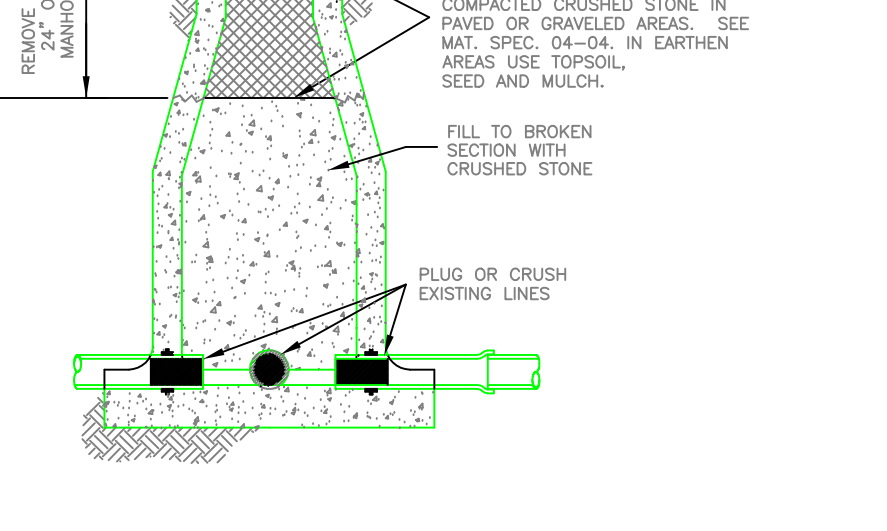


STANDARD SEWER SERVICE LATERAL

N.T.S.

SD-1
3

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

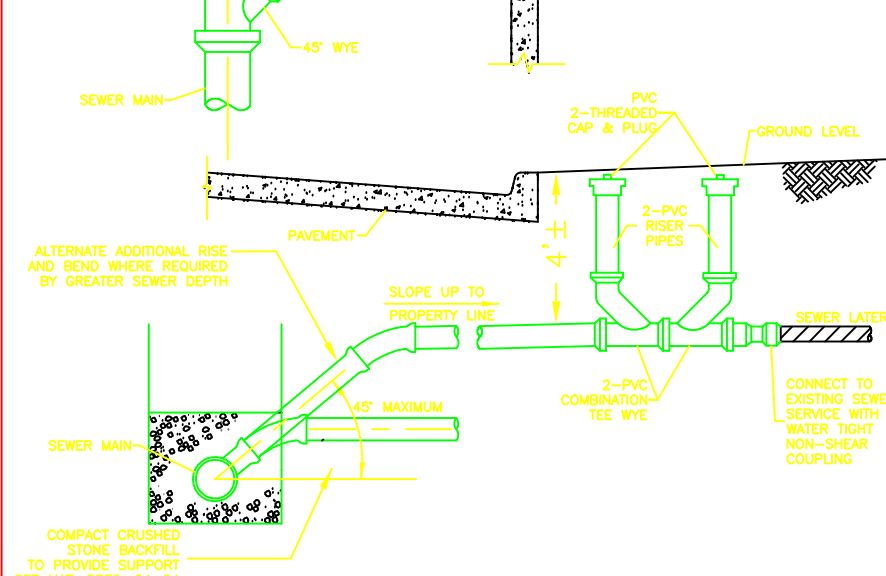


BORED SEWER SERVICE LATERAL UNDER EXISTING STREET

N.T.S.

SD-1
4

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS

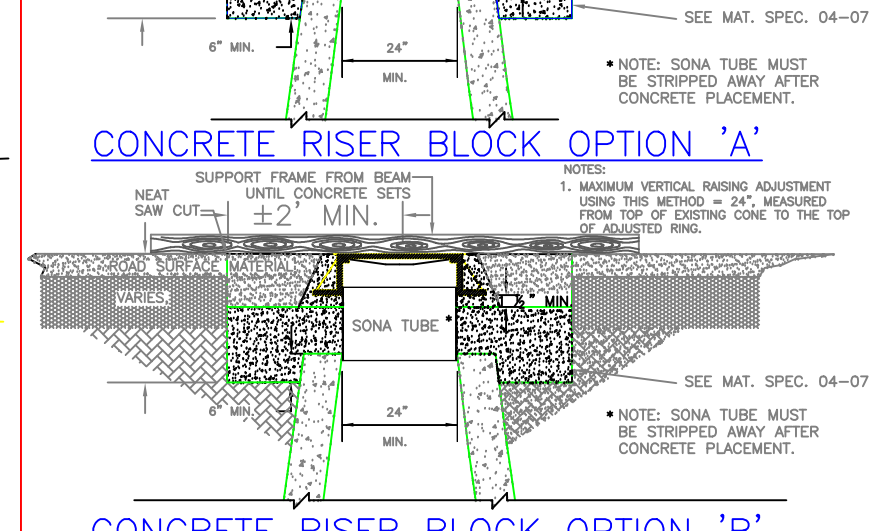


4 INCH TWO-WAY SERVICE CLEANOUT

N.T.S.

SD-1
5
REV. MAY. 2012

SEE MATERIAL SPECIFICATIONS FOR APPROVED MANUFACTURERS



CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'

CONCRETE RISER BLOCK OPTION 'A'

CONCRETE RISER BLOCK OPTION 'B'